Model Identification

RAC

Indoor Unit

C S – [ ] S 18 N K U -1
(1 2 3 4 5 6 7 8 9)

Outdoor Unit

C U – [ ] S 18 N K U -1
(1 2 3 4 5 6 7 8 9)

Set

[ ] S 18 N K U -1
(3 4 5 6 7 8 9)

1 Series	2 ModelType	3 Connection configuration	4 Function	5 Capacity	6 Development	7 Category (Type)	8 Voltage	9 Others
C: Residential	S:Indoor unit U:Outdoor unit	X : Deluxe type K/None : Internal purpose MK : Indoor unit for Multi zone	S : Cooling only E : Heat pump	Cooling Capacity in BTU/h	Development Series No.	K : Wall Mount B4 : Mini Ceiling Recessed	U : 208/230V, 60Hz 1 : 115V, 60Hz	-1 : Non-Low Ambient W : Multi/Single Zone common use
		Connected Type(Multi-zone)Numeral : Numeral+K				K : Internal		-1 : Non-Low Ambient

PAC

Indoor Unit

S – 26 P U 1 U6
(1 2 3 4 5 6)

Outdoor Unit

U – 36 P S 1 U6
(1 2 3 4 5 6)

Set

26 P S 1 U6
(2 3 4 5 6)

1 ModelType	2 Capacity	3 Series	4 Category(Function)	5 Development	6 Voltage
S : Indoor unit	Cooling Capacity in BTU/h	P : Large Capacity series	K : Wall Mount U : Ceiling Recessed T : Ceiling suspended F : Concealed Duct	Development Series	U6 : 208/230V 60Hz
U : Outdoor Unit			S : Cooling Only H : Heat Pump		

Use of the AHRI Certified™ mark indicates a manufacture's participation in the certification program.
For verification of certification for individual products, go to www.ahridirectory.org

Quality Management System Certificate
Certified to ISO 9001: 2008
Cert. No.: MY-AR 1010

Certified to ISO 9001: 2008
Panasonic HA Air-Conditioning (M) Sdn.Bhd.
Cert. No.: MY-AR 1010

Environmental Management System Certificate
Certified to ISO 14001: 2004
Cert. No.: MY-ER 0112

Certified to ISO 14001: 2004
Panasonic HA Air-Conditioning (M) Sdn.Bhd.
Cert. No.: MY-ER 0112

30 YEARS Anniversary in 2013
Serving the US Ductless market since 1983

Panasonic Corporation of North America
Panasonic Appliances Air-Conditioning North America
Two Riverfront Plaza, Newark, NJ 07102-5490 U.S.A.
us.panasonic.com/aircon

Panasonic Canada Inc.
Enterprise Product Sales
5770 Ambler Dr., Mississauga, ON, L4W 2T3 CANADA
www.panasonic.ca

Caution Related to Safety — Do not add or replace refrigerant other than the specified type. Manufacturer is not responsible for the damage and deterioration in safety due to usage of other refrigerant.

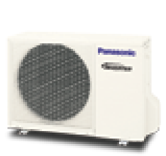
July 2014






AIR CONDITIONING and HEAT PUMP PRODUCTS

INVERTER






July 2014

The History of Panasonic Air Conditioning

The Panasonic Air Conditioning Group has grown into a global company through its continuous quest for product innovations and technology. The group has evolved from manufacturing compressors to providing comprehensive air conditioning solutions. This has earned Panasonic, the reputation as the most trusted brand for superior energy-efficiency and reliable products.

1958 Started production and sales of Home Coolers

The Electrical Appliance Business Group (Kadoma) started cooler production in March 1958. Started sales in May under the "Home Cooler" name.



1961 Started exports of Home Coolers

1965 Launched Room Coolers



1968 Began development of Rotary Compressors

Later, their high efficiency and high quality attracted domestic and overseas air conditioner manufactures. Began external sales.

1972 Established overseas business base in Malaysia

MAICO was established in Malaysia as the Aircon Group's first overseas base. From this time, MAICO started to export to Japan, Indonesia, Australia, and other markets. Panasonic started operating a twin-base system with a presence in Japan and Malaysia.



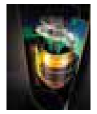
1983 Launched inverter Air Conditioner

Started sales of Panasonic's first inverter air conditioners and has since gained increasing popularity. Inverter became the future technology of air conditioner market.

Launched Ductless Air Conditioners to USA

1985 Began development of Scroll Compressors

Began development of scroll compressors, offering high efficiency, low noise, and low vibration in comparison to rotary compressors.



1989 Introduced Simultaneous Heat & Cool VRF

1990 Launched world's first Compact Scroll Compressor-equipped Air Conditioner

1992 Developed industry's smallest outdoor air conditioning unit:"Chi-size"

1993 Established Matsushita-Wanbao (Guangzhou) Air Conditioner (MWAC)
Established Matsushita-Wanbao (Guangzhou)Compressor (MWCC)
Established Matsushita Air Conditioner Engineering (Matsushita ACE)

1995 Started the export of VRF

1998 Introduced GAS Heater Air Conditioner 14KGS11

2001 Introduced first VRF "ECO-Multi" to USA

2003 Launched first R410a refrigerant Ductless A/C to USA

Launched EcoCute as a result of better energy-saving technology

Launched accumulator-less, high-efficiency, CO_2 scroll compressor for EcoCute

Began production of Multi-split packaged air conditioner (mini-VRF)

2005 Launched air conditioner automatic filter cleaning function (AC robot)

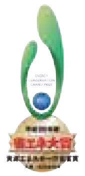


Product became extremely successful in the Japanese market. Since then, Panasonic launched a series of innovative products such as airstream robots and motion sensors which significantly improved Panasonic's air conditioner market share.

2006 Renewed ECO-Multi to ECO-i. revised the line-up to inverter driven

Aggregated global production of Panasonic compressors reached 200 million units

2008 In 2008 Energy Conservation Grand Prizes, EcoCute won its first Director General Prize of Agency of Natural Resources and Energy, while Panasonic air conditioner won the Chairman Prize of the Energy Conservation Center of Japan Started Air to Water heat pump business in Europe



2009 Established air conditioner dedicated sales company in Europe (PHAAE)

Panasonic HA Air-Conditioning Europe (PHAAE) strengthened the commercial air conditioning business.

2011 Integration of Sanyo HVAC USA into Panasonic Corporation of North America.

2013 Celebrating the 30th anniversary of marketing in the USA.

30 YEARS Anniversary

Serving the US Ductless market since 1983

2014 SYSTEM 5 and Wireless Communication





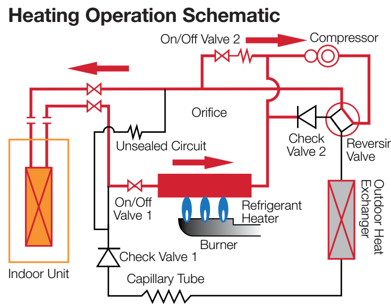
Technological Milestones

1998

Introduced revolutionary Gas Heater Air Conditioner 14KGS11.

That maintains a consistent heating performance level, regardless of how much the ambient temperature goes down outside.

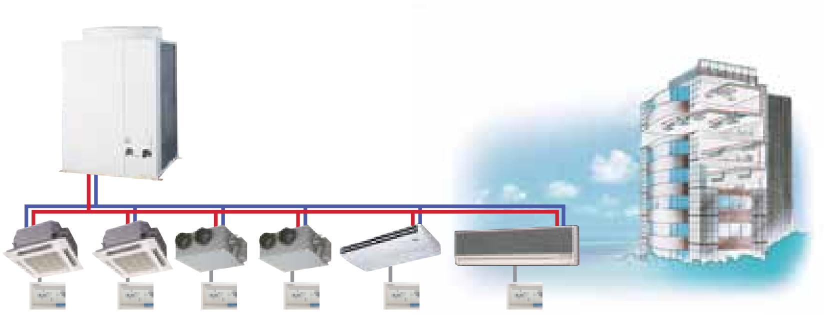




2001

Launched VRF "Eco-Multi" to the US market.

Eco-Multi was displayed at the AHR show, and was introduced to other ductless manufacturers. It's the new individual air-conditioning system that effectively combines a power control compressor and an electronic refrigerant control valve.



2003

First R410a driven ductless model, 24KS62R, was introduced.

Again, blazed a trail to other ductless manufacturers.



2013

Introduce EXTERIOS series to US market

SEER 28.5 Highest Efficient model in Industry as of 2013/March



Panasonic: Your Best Choice in Mini Split Air Conditioning and Heat Pump Systems

Since 1983, Panasonic's Mini Split Air Conditioner and Heat Pump products offer a wide range of versatile solutions for cooling and heating requirements for single or multiple rooms.
The indoor unit (evaporator) is mounted inside a room and it is connected to the outdoor unit (condenser) via refrigerant lines and inter-unit wiring through a 3-1/2" opening in the wall. Since no ductwork is required, installation is simple, fast and efficient. Ducted models are also available.
The indoor unit has been uniquely designed to provide whisper quiet operation while delivering comfort throughout the room (s).
Panasonic Mini Split Systems are stylish and offer whisper-quiet operations, quality and reliability you can count on.

HEAT PUMP MODELS

Low Ambient Type — HEAT PUMP WITHOUT HEATER

Btu/h	9,000	12,000	18,000	24,000	26,000	30,000	36,000	42,000
MODEL (System)	XE12PKUA E9NKUA	XE9PKUA, E12NKUA KE12NB41	E18NKUA KE18NB4U	E24NKUA	26PEK1U6, 26PET1U6 26PEU1U6, 26PEF1U6	KE30NKU	KE36NKU, 36PET1U6 36PEU1U6, 36PEF1U6	42PET1U6 42PEU1U6
EXTERIOS Wall Mounted	CS-XE9PKUA CU-XE9PKUA	CS-XE12PKUA CU-XE12PKUA						
Wall Mounted	CS-E9NKUAW CU-E9NKUA	CS-E12NKUAW CU-E12NKUA	CS-E18NKUA CU-E18NKUA	CS-E24NKUA CU-E24NKUA		CS-KE30NKU CU-KE30NKU	CS-KE36NKU CU-KE36NKU	
Wall Mounted					S-26PK1U6			
Ceiling Suspended					S-26PT1U6		S-36PT1U6	S-42PT1U6
Ceiling Recessed		CS-KE12NB41	CS-KE18NB4UW		S-26PU1U6		S-36PU1U6	S-42PU1U6
Concealed Duct					S-26PF1U6		S-36PF1U6	
Outdoor		CU-KE12NK1	CU-KE18NKU		U-26PE1U6		U-36PE1U6	U-42PE1U6

COOLING ONLY MODELS / STANDARD TYPE

Standard Type — AIR CONDITIONER

Btu/h	9,000	12,000	18,000	22,000
MODEL (System)	S9NKU-1	S12NKU-1	S18NKU-1, KS18NKU KS18NB4U	S22NKU-1
Wall Mounted	CS-S9NKUW-1 CU-S9NKU-1	CS-S12NKUW-1 CU-S12NKU-1	CS-S18NKU-1 CU-S18NKU-1	CS-S22NKU-1 CU-S22NKU-1

*Please refer to the model identification on the back of this catalog.

COOLING ONLY MODELS / LOW AMBIENT TYPE

Low Ambient Type — AIR CONDITIONER

Btu/h	9,000	12,000	18,000	24,000	26,000	30,000	36,000	42,000
MODEL (System)	S9NKUA	S12NKUA KS12NB41A	S18NKUA KS18NB4UA	S24NKUA	26PSK1U6, 26PST1U6 26PSU1U6,26PSF1U6	KS30NKUA	KS36NKUA, 36PST1U6 36PSU1U6, 36PSF1U6	42PST1U6 42PSU1U6
Wall Mounted	CS-S9NKUA CU-S9NKUA	CS-S12NKUA CU-S12NKUA	CS-S18NKUA CU-S18NKUA	CS-S24NKUA CU-S24NKUA		CS-KS30NKU CU-KS30NKUA	CS-KS36NKU CU-KS36NKUA	
Wall Mounted					S-26PK1U6			
Ceiling Suspended					S-26PT1U6		S-36PT1U6	S-42PT1U6
Ceiling Recessed		CS-KS12NB41	CS-KS18NB4UW		S-26PU1U6		S-36PU1U6	S-42PU1U6
Concealed Duct					S-26PF1U6		S-36PF1U6	
Outdoor		CU-KS12NK1A	CU-KS18NKUA		U-26PS1U6		U-36PS1U6	U-42PS1U6

MULTI ZONE MODELS

AIR CONDITIONER — S series / E series

Series	S series / E series		
Btu/h	9,000	12,000	
Indoor Unit — Wall Mounted	CS-S9NKUW-1/CS-S12NKUW-1		
Indoor Unit — Ceiling Recessed			
Btu/h	18,000		
Outdoor Unit — Outdoor	CU-2S18NBU-1		

AIR CONDITIONER — KS series / KE series

Series	KS series / KE series				
Btu/h	7,000	9,000	12,000	18,000	24,000
Indoor Unit — Wall Mounted	CS-MKS7NKU	CS-MKS9NKU	CS-MKS12NKU	CS-MKS18NKU	CS-MKS24NKU
Indoor Unit — Ceiling Recessed		CS-MKS9NB4U	CS-MKS12NB4U	CS-KS18NB4UW	

Btu/h	19,000	24,000	31,000
Outdoor Unit — Outdoor	CU-3KS19NBU	CU-4KS24NBU	CU-4KS31NBU

HEAT PUMP — S series / E series

Btu/h	7,000	9,000	12,000	7,000	9,000	12,000	18,000	24,000
Indoor Unit — Wall Mounted	CS-ME7QKUA/ CS-E9NKUAW/CS-E12NKUAW			CS-ME7QKUA/CS-E9NKUA/CS-E12NKUA			CS-E18NKUA/ CS-E24NKUA	
Indoor Unit — Ceiling Recessed								
Btu/h								
Outdoor Unit — Outdoor	CU-2E18NBU			NEW CU-5E36QBU				

HEAT PUMP — KS series / KE series

Btu/h	7,000	9,000	12,000	18,000	24,000
Indoor Unit — Wall Mounted	CS-MKE7NKU	CS-MKE9NKU	CS-MKE12NKU	CS-MKE18NKU	CS-MKE24NKU
Indoor Unit — Ceiling Recessed		CS-MKE9NB4U	CS-MKE12NB4U	CS-KE18NB4UW	

Btu/h	19,000	24,000	31,000
Outdoor Unit — Outdoor	CU-3KE19NBU	CU-4KE24NBU	CU-4KE31NBU

Model Feature Chart

OP: Option

	HEAT PUMPS								STANDARD	LOW-AMBIENT AIR CONDITIONERS						
Wall Mounted	XE9PKUA XE12PKUA	E9NKUA E12NKUA E18NKUA E24NKUA	KE30NKU KE36NKU		26PEK1U6				S9NKU-1 S12NKU-1 S18NKU-1 S22NKU-1	S9NKUA S12NKUA S18NKUA S24NKUA	KS30NKUA KS36NKUA		26PSK1U6			
Ceiling Suspended						26PET1U6 36PET1U6 42PET1U6								26PST1U6 36PST1U6 42PST1U6		
Ceiling Recessed				KE12NB41 KE18NB4U			26PEU1U6 36PEU1U6 42PEU1U6					KS12NB41A KS18NB4UA			26PSU1U6 36PSU1U6 42PSU1U6	
Concealed Duct								26PEF1U6 36PEF1U6								26PSF1U6 36PSF1U6
ECONAVI	●															
Room Freeze Protection	●															
Microprocessor-Controlled Operation	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Wireless Remote Control	●	●	●	●	●	OP	OP	OP	●	●	●	●	●	OP	OP	OP
Wired Remote Control	OP	OP	OP	OP	OP	●	●	●	-	OP	OP	OP	OP	●	●	●
Self-Diagnosing Function	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Dry Mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
5 Fan Speeds and Automatic Fan Operation	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Air Sweep Control	●	●	●	●	●	●	●	-	●	●	●	●	●	●	●	-
Louver Control	●	●	●	●	●	●	●	-	●	●	●	●	●	●	●	-
Automatic Heating and Cooling Changeover	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-	-
Night Setback Mode for Cooling and Heating	-	-	-	●	-	-	-	-	-	-	●	●	-	-	-	-
Hot Start Heating System	●	●	●	●	●	●	●	●	-	-	-	-	-	-	-	-
24-Hour Clock with ON/OFF ProgramTimer	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
1-Hour OFF Timer	-	-	●	●	-	-	-	-	-	-	●	●	-	-	-	-
Weekly Timer	-	-	-	-	OP	●	●	●	-	-	-	-	OP	●	●	●
System Controller	-	-	-	-	OP	OP	OP	OP	-	-	-	-	OP	OP	OP	OP
Filter Sign	●	●	-	-	●	●	●	●	●	●	-	-	●	●	●	●
Automatic Restart Function after Power Failure	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Fresh Air Intake	-	-	-	●	-	OP*	OP	OP*	-	-	-	●	-	OP*	OP	OP*
Branch Extension	-	-	-	●	-	-	●	●	-	-	-	●	-	●	●	●
Built-In Drain Pump	-	-	-	●	-	-	●	●	-	-	-	●	-	-	●	●
Low Ambient Operation	●	●	●	-	●	●	●	●	-	●	●	●	●	●	●	●
Electric Expansion Valve	●	●	●	●	●	●	●	●	● (S18/22)	●	●	●	●	●	●	●
ODP=0 Refrigerant	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Quiet Mode	●	●	●	●	-	-	-	-	●	●	●	●	-	-	-	-
Anti-microbial Filter	-	●	-	-	-	-	-	-	●	●	-	-	-	-	-	-
Blue Fin Condenser	●	●	-	-	-	-	-	-	●	●	●	-	-	-	-	-

* Field Supplied

Features

ECONAVI

ECONAVI features intelligent Human Activity Sensor and new technologies that can detect human activity and absence, and optimize air conditioner operation according to room conditions.

Room Freeze Protection*

Room Freeze Protection mode helps prevent plumbing damage due to sub-Freezing Temperature. This mode automatically turns on the compressor for heat pump operation if the room temperature falls to about 46°F.

*This function may not be performed if the unit is not powered, or if the unit is unable to operate such as in protection mode. Please consult with the HVAC installers or professional for details.

Microprocessor-Controlled Operation

Microprocessor control ensures that the temperature and humidity levels in the room are always comfortable.

Wireless Remote Control

Panasonic's infrared Remote Control with and easy-to-read LCD Display, gives the user the capability to adjust & set: temperature, sweep (louver control), fan speeds, timer and more, for complete automatic operation.

Dry Mode

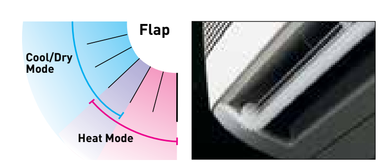
By coupling compressor and fan operation, intermittent operation can be precisely controlled according to room temperature, so that air is efficiently dehumidified.

5 Fan Speeds and Automatic Fan Operation

Convenient microprocessor control automatically adjusts fan speed to High, Medium or Low. According to room temperature to maintain a comfortable airflow throughout the room.

Air Sweep Control

The air sweep function moves the louver up and down in the air outlet, directing air in a "sweeping" motion around the room and providing comfort in every corner.



Louver Control

Louver can be manually set to the desired angle by remote control.

Automatic Heating and Cooling Changeover

After setting the temperature and functions you desire, just relax. If the room temperature is higher than the set temperature, cooling operation begins. If the room temperature is lower than the set temperature, heating operation begins. During normal thermostat cycle operation, cooling and heating operations automatically change in accordance with set temperature, time and room temperature (Single Zone Heat Pump unit only).

1-hour OFF Timer

When this button is pushed either while the unit is operating or while it is stopped, the unit will operate for one hour, then switch off automatically.

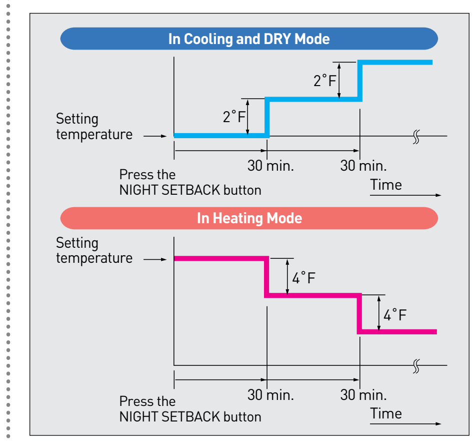
24-hour Clock with ON/OFF Program Timer

The remote control unit allows you to set a wide variety of timer-based operations. Such functions include automatic ON/OFF with a timer setting, same time ON/OFF every day, ON timer, OFF timer and Combination timer.

Night Setback Mode for Cooling and Heating

Cooling and DRY Mode: With the Night Setback Mode, the air conditioner automatically raises the setting temperature 2°F after 30 minutes, and then another 2°F after the next 30 minutes.

Heating Mode: With the Night Setback Mode, the setting temperature is automatically lowered 4°F after 30 minutes, and then another 4°F after the next 30 minutes. This saves energy without sacrificing comfort and is ideal for gentle cooling and heating.



Automatic Restart Function after Power Failure

This feature allows the system to automatically resume operation at its preset program, after power is restored from a power failure when the remote control is in the room.

Hot Start Heating System

Right from the start, air is warm and comfortable. The Hot Start Heating System prevents any cold blasts at the beginning while the heat pump is warming up (Heat pump unit only).

Built-In Drain Pump

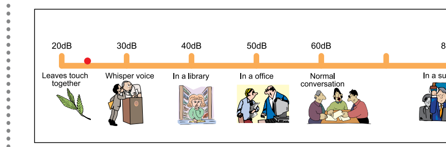
Max. head 20 inches from the discharge of the indoor unit. Condensation pump is only for allowing drain line to meet minimum gravity flow requirements.

Electric Refrigerant Control Valve

The circulation volume of the refrigerant is controlled by a pulse type electric control valve. In order to attain optimum efficiency, when the power is switched ON, the opening degree of the electric control valve is controlled between 90 and 480 steps.

Quiet Mode

LOW, low fan speed for extra quiet operation.



Filter Sign

Filter sign informs you when filter maintenance is necessary.

K1/T1/U1/F1 series with CZ-RTC2
XE/E/S series with CZ-RDC516C-1



(Example of CZ-RTC2)

Self-Diagnosing Function

Units are equipped with Self-Diagnosing Function (methods are difference depending on the models). This makes it easier to diagnose malfunctions, greatly reducing service labor (Wired remote controller).



(Example of CZ-RTC2)

Anti-microbial Filter

Anti-microbial Filter by 3M. This filter is treated to inhibit the growth of mold and mildew, and helps create clean air.

Test Comparison

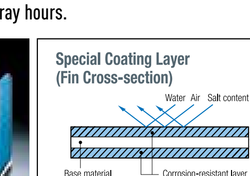
	Microbial Growth Rating	
	7 days	28days
Anti-microbialFilter	No growth	No growth
Normal Filter Paper	60% growth	60% growth

*Tested per ASTM G21-96

Blue Fin Condenser

Condensers can take a beating from exposure to salty air, rain and other corrosive factors. Panasonic has extended the life of its condensers with an original anti-rust coating.
Tested for 2,000 salt spray hours.





Panasonic sets another milestone in the Mini-Split History...

EXTERIOS - the latest breakthrough in energy efficiency and high performance with Inverter technology,SEER 28.5 and HSPF 12.5

EXTERIOS



Indoor Unit
CS-XE9PKUA / CS-XE12PKUA



Wireless Remote Controller



Wired Remote Controller (CZ-RD516-1) (Optional)







SEER 28.5

High Energy Efficiency

Breakthrough technologies, such as the inverter, enable the highest energy efficiency* in the industry. Thanks to this exceptional performance, you will enjoy even more comfort.

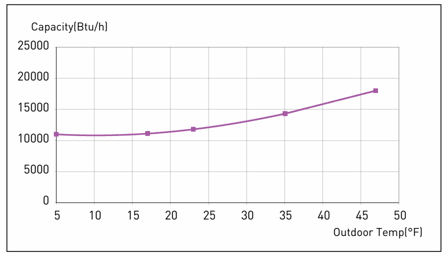
*CS/CU-XE9PKUA as of March 2013

LOW AMBIENT OPERATION

Powerful Heating at Low Ambient Temperatures

Offers reliable heating with full capacity down to 5º F.

XE9PKUA Max Capacity (Heat)



INVERTER

Inverter Technology

Panasonic's inverter technology provides optimum power control and extremely efficient operation by modulating the compressor capacity.
The result is efficient and flexible operation using less electricity.

Panasonic ductless mini split systems are designed to care for you

With over 50 years of experience of exporting to more than 125 countries around the world, Panasonic is unquestionably one of the leaders in the air conditioning business. Panasonic has produced more than 200 million compressors and has manufactured high quality air conditioners.



Provides Optimum Performance While Reducing Energy Usage

Panasonic's inverter technology constantly adjusts its compressor rotation speed to provide maximum performance at all times. This extremely precise operation enables quick cooling or heating while reducing power consumption compared to conventional non-inverter units.

Reduces Electricity Consumption

Panasonic inverter air conditioners/heat pumps are designed to give you exceptional energy savings performance while ensuring you stay comfortable at all times.

Constant Comfort

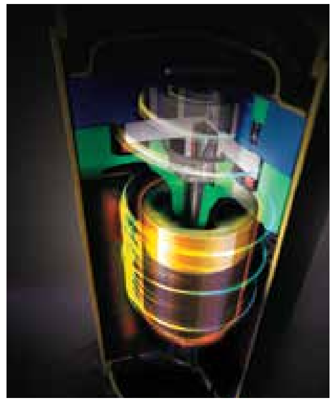
Precise temperature control with a wide power output range enables an inverter air conditioner to meet different room occupancy levels – thus ensuring constant comfort.

Quick Cooling and Heating

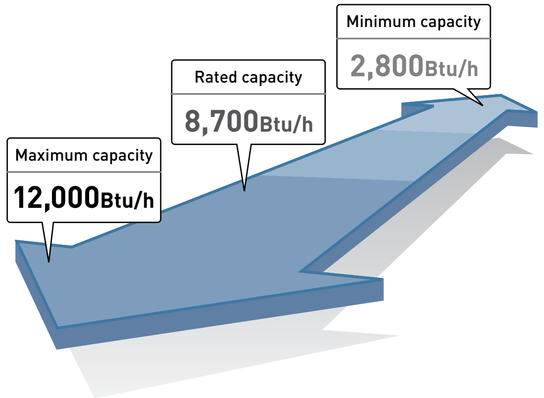
Panasonic Inverter air conditioners can operate with higher cooling/heating power during the start up period to cool/heat the room faster than non-inverter models.

Whisper Quiet Operation

The indoor operating noise has been reduced by 5dB as the Inverter constantly varies its output power to enable more precise temperature control.



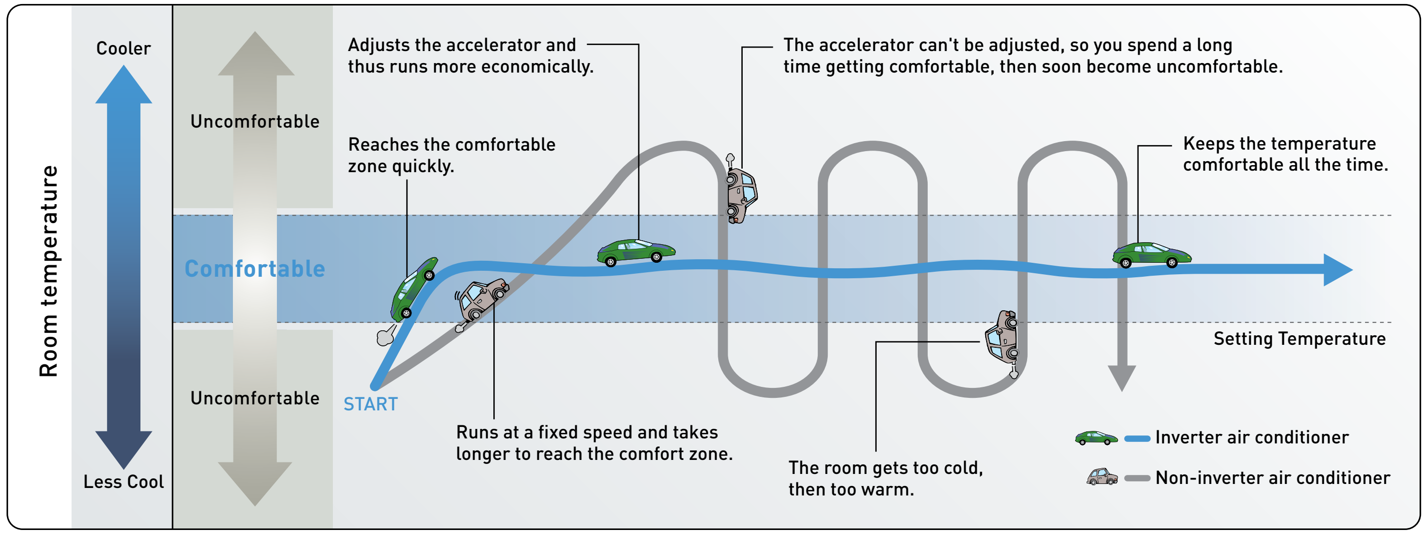
■ Wider Output Power Range



■ The Advantages of Inverter Control

Comparing inverter and non-inverter air conditioners to cars...

*Image of output power fluctuation

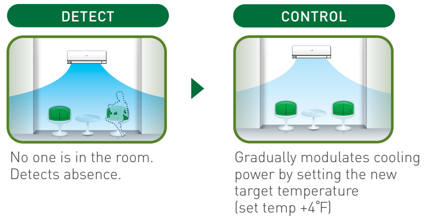


ECONAVI with Intelligent Eco Sensors

In 2007, Panasonic launched ECONAVI (Human Detection Technology) to its air conditioners.
The ECONAVI sensors moderate the temperature in a room and senses when there is activity;
which then automatically adjusts the temperature setting accordingly for maximum energy efficient operation.
The absence detection feature switches to a slightly less powerful cooling mode when the room is empty.

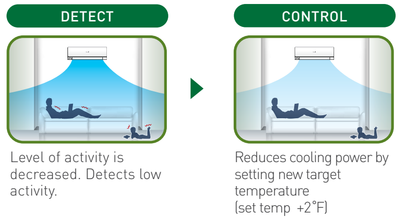
Absence Detection

ECONAVI detects human absence from the room and raises the target temperature.



Activity Detection

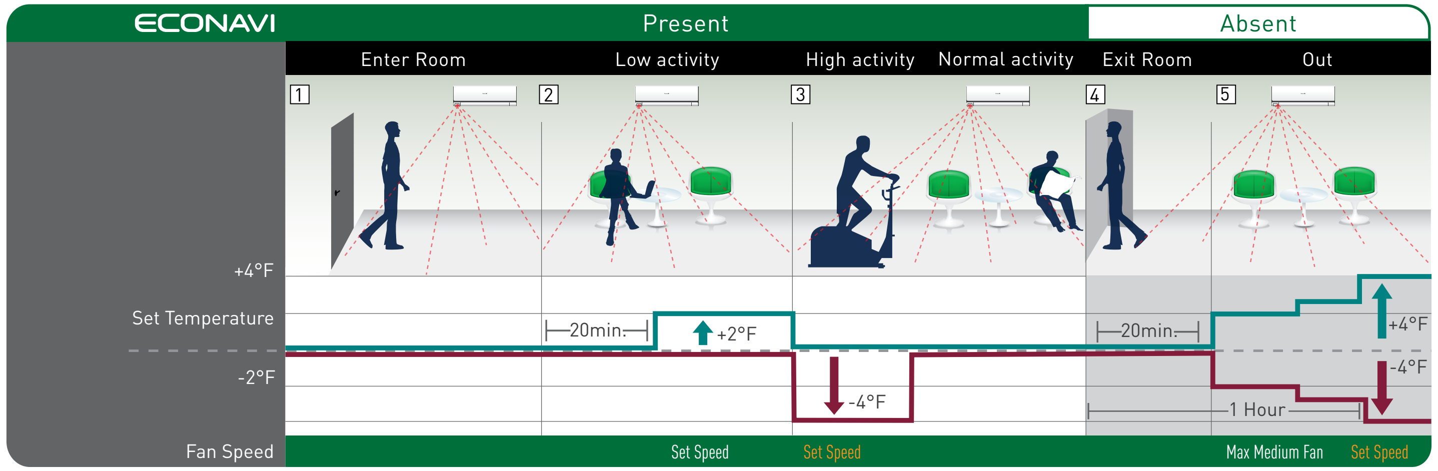
ECONAVI detects changes in activity levels and reduces the cooling power by adjusting set temperature.



ECONAVI in cooling mode: *The target temperature set by ECONAVI will be restored automatically to the set temperature when the new condition is detected.



■ How Does ECONAVI Human Activity Work?



Legend: - - - Set Temperature — Cooling Power — Heating Power

Remark: Set temperature on remote control display remains unchanged.

XE9PKUA / XE12PKUA

EXTERIOS



Indoor Unit
CS-XE9PKUA / CS-XE12PKUA

ENERGY STAR



Blue Fin Condenser



Wireless Remote Controller



Wired Remote Controller (CZ-RD516C-1) (Optional)

Outdoor Unit
CU-XE9PKUA / CU-XE12PKUA

(optional)

Wall Mounted Heat Pumps						
Model No.			XE9PKUA		XE12PKUA	
Unit Model No.			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
			CS-XE9PKUA	CU-XE9PKUA	CS-XE12PKUA	CU-XE12PKUA
Performance & Electrical Ratings						
Capacity	Cooling	Btu/h	8,700(2,800~12,000)		11,500(2,800~14,000)	
	Heating	Btu/h	12,000(3,000~18,000) (10,600 at 17˚F)		13,800(3,000~23,000) (13,500 at 17˚F)	
Moisture Removal	High	Pints/H	1.3		2.3	
Dry Air Flow	High	CFM	405		530	
SEER	Cooling		28.5		25.5	
EER	Cooling		16.1		14.35	
HSPF	Heating		12.5		12.0	
Power Supply		V, Phase, Hz	230/208V, 1PH, 60Hz		230/208V, 1PH, 60Hz	
Running Amps	Cooling	A	2.5/2.8		3.8/4.2	
	Heating	A	4.0/4.5		5.2/5.8	
Power Input	Cooling	W	540(150-850)		800(150-1,050)	
	Heating	W	860(150-1,650)		1,150(150-2,100)	
Back-up Heater		kW	---		---	
Fuse or Circuit Breaker	Capacity	A	15		20	
Features						
Controls			Microprocessor		Microprocessor	
Low Ambient Control			Eqipped		Equipped	
Wireless Remote Controller			Included		Included	
Wired Remote Controller (optional)			CZ-RD516C-1		CZ-RD516C-1	
Fan Speeds			5 Speeds + Auto		5 Speeds + Auto	
Timer			24hr Program		24hr Program	
Air Deflection	Horizontal		Manual		Manual	
	Vertical		Automatic		Automatic	
Air Filter			Washable + Anti Microbial Filter		Washable + Anti Microbial Filter	
Refrigerant			R-410A		R-410A	
Refrigerant control			Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	In(Hi / Lo/ Q-Lo)	dB-A	42 / 25 / 20		45 / 28 / 20	
	Outdoor(Hi)	dB-A	48		49	
Refrigerant Piping	Type		Flare		Flare	
	Discharge	inches	1/4"		1/4"	
	Suction	inches	3/8"		1/2"	
Refrigerant Pipe Length		Ft.	Max. 66		Max. 66	
Elevation Difference*	Outdoor Above	Ft.	Max. 49		Max. 49	
	Outdoor Below	Ft.	Max. 49		Max. 49	
Dimensions & Weight			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Height		inches	11-5/8"	27-3/8"	11-5/8"	27-3/8"
Width		inches	34-9/32"	34-15/32"	34-9/32"	34-15/32"
Depth		inches	10-1/16"	12-5/8"	10-1/16"	12-5/8"
Net Weight		Lbs.	24	97	24	97

* This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the P.34 in the catalog for more detail.)

ECONAVI · Room Freeze Protection · Micro-processor Control · Wireless Control · Wired Control · Self Diagnose · Dry · 5 Fan speeds · Air Sweep · Louver · Auto-change over · Night setback · Hot Start · 24hr timer

Wall-Mounted Heat Pumps

E9NKUA / E12NKUA



Indoor Unit
CS-E9NKUAW / CS-E12NKUAW

ENERGY STAR





Wireless Remote Controller



Wired Remote Controller (CZ-RD516C-1) (Optional)

Outdoor Unit
CU-E9NKUA / CU-E12NKUA

Blue Fin Condenser

E18NKUA / E24NKUA



Indoor Unit
CS-E18NKUA / CS-E24NKUA

ENERGY STAR (E18 Only)





Wireless Remote Controller



Wired Remote Controller (CZ-RD516C-1) (Optional)

Outdoor Unit
CU-E18NKUA / CU-E24NKUA

Blue Fin Condenser

(optional)

Wall Mounted Heat Pumps										
Model No.			E9NKUA		E12NKUA		E18NKUA		E24NKUA	
Unit Model No.			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
			CS-E9NKUAW	CU-E9NKUA	CS-E12NKUAW	CU-E12NKUA	CS-E18NKUA	CU-E18NKUA	CS-E24NKUA	CU-E24NKUA
Performance & Electrical Ratings										
Capacity	Cooling	Btu/h	8,500(4,100~10,200)		12,000(4,100~13,300)		17,100(5,800~19,800)		24,000(5,800~27,200)	
	Heating	Btu/h	11,200(4,100~14,100)		13,800(4,100~16,300)		20,400(5,800~20,800)		28,800(5,800~29,200)	
Moisture Removal	High	Pints/H	1.3		2.5		3.0		7.6	
Dry Air Flow	High	CFM	395		425		650		650	
SEER	Cooling		21.0		20.0		18.0		17.5	
EER	Cooling		13.1		12.0		13.2		10.2	
HSPF	Heating		10.5		10.6		8.5		8.5	
Power Supply	V, Phase, Hz		230/208V, 1PH, 60Hz		230/208V, 1PH, 60Hz		230/208V, 1PH, 60Hz		230/208V, 1PH, 60Hz	
Running Amps	Cooling	A	3.1(~7)		4.7(~7.8)		6.30 / 7.20		10.80 / 11.90	
	Heating	A	5.4(~7)		5.8(~7.8)		7.50 / 8.60		11.40 / 12.60	
Power Input	Cooling	W	650(250-850)		1,000(250-1,150)		1,300(430-1,600)		2,350(430-2,720)	
	Heating	W	1,150(200-1,500)		1,300(200-1,710)		1,600(380-1,650)		2,500(380-2,660)	
Back-up Heater		kW	---		---		---		---	
Fuse or Circuit Breaker Capacity		A	15		15		20		20	
Features										
Controls			Microprocessor		Microprocessor		Microprocessor		Microprocessor	
Low Ambient Control			Equipped		Equipped		Equipped		Equipped	
Wireless Controller			Included		Included		Included		Included	
Wired Remote Controller(optional)			CZ-RD516C-1		CZ-RD516C-1		CZ-RD516C-1		CZ-RD516C-1	
Fan Speeds			5 Speeds + Auto		5 Speeds + Auto		5 Speeds + Auto		5 Speeds + Auto	
Timer			24hr Program		24hr Program		24hr Program		24hr Program	
Air Deflection	Horizontal		Manual		Manual		Automatic		Automatic	
	Vertical		Automatic		Automatic		Automatic		Automatic	
Air Filter			Washable + Anti Microbial Filter		Washable + Anti Microbial Filter		Washable + Anti Microbial Filter		Washable + Anti Microbial Filter	
Refrigerant			R-410A		R-410A		R-410A		R-410A	
Refrigerant control			Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	In(Hi / Me / Lo/ Qt)	dB-A	40 / 25 / 20		43 / 28 / 20		47/39/36		48/40/37	
	Outdoor(Hi)	dB-A	47		48		49		51	
Refrigerant Piping	Type		Flare		Flare		Flare		Flare	
	Discharge	inches	1/4"		1/4"		1/4"		1/4"	
	Suction	inches	3/8"		1/2"		1/2"		5/8"	
Refrigerant Pipe Length		Ft.	Max. 66		Max. 66		Max. 100		Max. 100	
Elevation Difference*	Outdoor Above	Ft.	Max. 49		Max. 49		Max. 49		Max. 49	
	Outdoor Below	Ft.	Max. 49		Max. 49		Max. 49		Max. 49	
Dimensions & Weight			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Height		inches	11-7/16"	21-9/32"	11-7/16"	21-9/32"	11-7/16"	31-5/16"	11-7/16"	31-5/16"
Width		inches	34-9/32"	30-23/32"	34-9/32"	30-23/32"	42-5/32"	34-15/32"	42-5/32"	34-15/32"
Depth		inches	8-1/16"	11-13/32"	8-1/16"	11-13/32"	9-9/32"	12-5/8"	9-9/32"	12-5/8"
Net Weight		Lbs.	20.0	82.0	20.0	82.0	26.0	132.0	26.0	132.0

* This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the P.34 in the catalog for more detail.)

1hr off timer · Weekly Timer · System Controller · Filter sign · Auto Restart · Fresh Air intake · Branch Extension · Drain Pump · Low Ambient Operation · Elect.Valve · ODP=0 Refrigerant · Quiet · Anti-microbial Filt. · Blue Fin

26PEK1U6



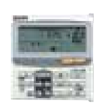
Indoor Unit
S-26PK1U6



Outdoor Unit
U-26PE1U6



Wireless Remote Controller



Wired Remote Controller CZ-RTC2 (optional)

KE30NKU / KE36NKU



Indoor Unit
CS-KE30NKU / CS-KE36NKU



Outdoor Unit
CU-KE30NKU / CU-KE36NKU



Wireless Remote Controller



Wired Remote Controller CZ-RD515U (optional)

S9NKU-1 / S12NKU-1



Indoor Unit
CS-S9NKUW-1 / CS-S12NKUW-1



Outdoor Unit
CU-S9NKU-1 / CU-S12NKU-1

Blue Fin Condenser



Wireless Remote Controller

S18NKU-1 / S22NKU-1



Indoor Unit
CS-S18NKU-1 / CS-S22NKU-1



Outdoor Unit
CU-S18NKU-1 / CU-S22NKU-1

Blue Fin Condenser



Wireless Remote Controller

Wall Mounted Heat Pumps

Model No.			26PEK1U6		KE30NKU		KE36NKU	
Unit Model No.			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
			S-26PK1U6	U-26PE1U6	CS-KE30NKU	CU-KE30NKU	CS-KE36NKU	CU-KE36NKU
Performance & Electrical Ratings								
Capacity	Cooling	Btu/h	25,200 (9,500~25,200)		30,600 (10,900~30,600)		34,000 (10,900~34,000)	
	Heating	Btu/h	29,200 (8,000~29,200)		33,000 (14,000~33,000)		36,000 (14,000~36,000)	
Moisture Removal	High	Pints/H	8.1		9.57		10.64	
Dry Air Flow	Hi / Med / Low	CFM	559 / 475 / 390		630 / 530 / 412		630 / 530 / 412	
SEER	Cooling		14.9		16		16	
EER	Cooling		8.9		9.3		8.5	
HSPF	Heating		10.2		9.0		9.0	
Power Supply	V, Phase, Hz		230V / 208V, 1PH, 60Hz		230 / 208V, 1PH, 60Hz		230 / 208V, 1PH, 60Hz	
Running Amps	Cooling	A	15.3 / 16.9		16.5 (5 ~ 16.5) / 18.0		20 (5 ~ 20) / 21.9	
	Heating	A	14.0 / 15.5		15.3 (4.5 ~ 15.3) / 16.3		18.2 (4.5 ~ 18.2) / 19.9	
Power Input	Cooling	W	2,840 / 2,840		3,290		4,000	
	Heating	W	2,620 / 2,620		3,070		3,650	
Back-up Heater		kW	---		---		---	
Fuse or Circuit Breaker Capacity	A		15	30	35		45	
Features								
Controls			Microprocessor		Microprocessor		Microprocessor	
Low Ambient Control			Built-in 0˚F		Built-in 0˚F		Built-in 0˚F	
Wireless Remorte Controller			Included		Included		Included	
Wired Remote Controller(optional)			CZ-RTC2		CZ-RD515U & CZ-RC515UA		CZ-RD515U & CZ-RC515UA	
Fan Speeds			3 and Automatic Control / Variable		Hi / Me / Lo & Auto		Hi / Me / Lo & Auto	
Timer			24-hr Program		1hr OFF and 24-hr Program		1hr OFF and 24-hr Program	
Air Deflection	Horizontal		---		Manual		Manual	
	Vertical		Automatic		Automatic		Automatic	
Air Filter			Washable		Washable		Washable	
Refrigerant			R-410A		R-410A		R-410A	
Refrigerant control			Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	In(Hi / Me / Lo/ Qt)	dB-A	41 / 37 / 34		49 / 44 / 39		49 / 44 / 39	
	Outdoor(Hi)	dB-A	49		55		55	
Refrigerant Piping	Type		Flare		Flare		Flare	
	Discharge	inches	3/8"		3/8"		3/8"	
	Suction	inches	5/8"		5/8"		5/8"	
Refrigerant Pipe Length		Ft.	Max. 165		Max. 164		Max. 164	
Elevation Difference*	Outdoor Above	Ft.	Max. 100		Max. 100		Max. 100	
	Outdoor Below	Ft.	Max. 50		Max. 50		Max. 50	
Dimensions & Weight			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Height		inches	12-63/64"	30-23/32"	11-3/16"	35-13/16"	11-3/16"	35-13/16"
Width		inches	44-7/8"	37"	41-15/16"	37-1/32"	41-15/16"	37-1/32"
Depth		inches	8-31/32"	13-3/8"	9-1/16"	13-3/8"	9-1/16"	13-3/8"
Net Weight		Lbs.	40.0	128.0	32.0	185.0	32.0	185.0

* This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the P.34 in the catalog for more detail.)

Wall Mounted Air Conditioners

Model No.			S9NKU-1		S12NKU-1		S18NKU-1		S22NKU-1	
Unit Model No.			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
			CS-S9NKUW-1	CU-S9NKU-1	CS-S12NKUW-1	CU-S12NKU-1	CS-S18NKU-1	CU-S18NKU-1	CS-S22NKU-1	CU-S22NKU-1
Performance & Electrical Ratings										
Capacity	Cooling	Btu/h	8,500(4,100~10,200)		11,900(4,100~13,100)		17,100(4,400~19,800)		21,000(4,400~23,400)	
	Heating	Btu/h	---		---		---		---	
Moisture Removal	High	Pints/H	1.3		2.3		3.6		6.1	
Dry Air Flow	High	CFM	400		425		650		650	
SEER	Cooling		17.5		17.5		17.5		17.0	
EER	Cooling		12.1		11.9		10.4		9.3	
HSPF	Heating		---		---		---		---	
Power Supply		V, Phase, Hz	230/208V, 1PH, 60Hz		230/208V, 1PH, 60Hz		230/208V, 1PH, 60Hz		230/208V, 1PH, 60Hz	
Running Amps	Cooling	A	3.3/3.7(~4.1)		4.6/5.1(~5.4)		7.5(~9)		10(~10.8)	
	Heating	A	---		---		---		---	
Power Input	Cooling	W	700(250-900)		1,000(250-1,150)		1650(250-1950)		2250(250-2,550)	
	Heating	W	---		---		---		---	
Back-up Heater		kW	---		---		---		---	
Fuse or Circuit Breaker Capacity		A	15		15		20		25	
Features										
Controls			Microprocessor		Microprocessor		Microprocessor		Microprocessor	
Low Ambient Control			---		---		---		---	
Wireless Remote Controller			Included		Included		Included		Included	
Wired Remote Controller (optional)			---		---		---		---	
Fan Speeds			5 Speeds + Auto		5 Speeds + Auto		5 Speeds + Auto		5 Speeds + Auto	
Timer			24hr Program		24hr Program		24hr Program		24hr Program	
Air Deflection	Horizontal		Manual		Manual		Automatic		Automatic	
	Vertical		Automatic		Automatic		Automatic		Automatic	
Air Filter			Washable + Anti Microbial Filter		Washable + Anti Microbial Filter		Washable+Anti Microbial Filter		Washable + Anti Microbial Filter	
Refrigerant			R-410A		R-410A		R410A		R-410A	
Refrigerant control			Capillary Tube		Capillary Tube		Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	In(Hi / Lo/ Q-Lo)	dB-A	40 / 25 / 20		43 / 28 / 20		47 / 39 / 36		47 / 39 / 36	
	Outdoor(Hi)	dB-A	47		48		47		50	
Refrigerant Piping	Type		Flare		Flare		Flare		Flare	
	Discharge	inches	1/4"		1/4"		1/4"		1/4"	
	Suction	inches	3/8"		1/2"		1/2"		5/8"	
Refrigerant Pipe Length		Ft.	Max. 49		Max. 49		Max. 66		Max. 66	
Elevation Difference*	Outdoor Above	Ft.	Max. 16		Max. 16		Max. 49		Max. 49	
	Outdoor Below	Ft.	Max. 16		Max. 16		Max. 49		Max. 49	
Dimensions & Weight			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Height		inches	11-7/16"	21-9/32"	11-7/16"	21-9/32"	11-7/16"	31-5/16"	11-7/16"	31-5/16"
Width		inches	34-9/32"	30-23/32"	34-9/32"	30-23/32"	42-5/32"	34-15/32"	42-5/32"	34-15/32"
Depth		inches	8-1/16"	11-13/32"	8-1/16"	11-13/32"	9-9/32"	12-5/8"	9-9/32"	12-5/8"
Net Weight		Lbs.	20.0	82.0	20.0	82.0	26.0	115.0	26.0	117.0

* This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the P.34 in the catalog for more detail.)

ECONAVI · Room Freeze Protection · Micro-processor Control · Wireless Control · Wired Control · Self Diagnose · Dry · 5 Fan speeds · Air Sweep · Louver · Auto-change over · Night setback · Hot Start · 24hr timer · 1hr off timer · Weekly Timer · System Controller · Filter sign · Auto Restart · Fresh Air intake · Branch Extension · Drain Pump · Low Ambient Operation · Elect.Valve · ODP=0 Refrigerant · Quiet · Anti-microbial Filt. · Blue Fin

S9NKUA / S12NKUA



Indoor Unit
CS-S9NKUA / CS-S12NKUA

ENERGY STAR



Outdoor Unit
CU-S9NKUA /
CU-S12NKUA

Blue Fin Condenser



Wireless Remote Controller



Wired Remote Controller CZ-RD516C-1 (optional)

S18NKUA / S24NKUA



Indoor Unit
CS-S18NKUA / CS-S24NKUA

ENERGY STAR (S18 Only)



Outdoor Unit
CU-S18NKUA /
CU-S24NKUA

Blue Fin Condenser



Wireless Remote Controller



Wired Remote Controller CZ-RD516C-1 (optional)

DRY | AUTO | 24H PROGRAM | LOW AMBIENT | ELECTRIC | R-410A | Quiet mode | Blue Fin Condenser

Model No.			S9NKUA		S12NKUA		S18NKUA		S24NKUA	
Unit Model No.			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
			CS-S9NKUA	CU-S9NKUA	CS-S12NKUA	CU-S12NKUA	CS-S18NKUA	CU-S18NKUA	CS-S24NKUA	CU-S24NKUA
Performance & Electrical Ratings										
Capacity	Cooling	Btu/h	8,500 (4,100-10,200)		12,000 (4,100-13,300)		17,100(5,800-19,800)		24,000(5,800-27,200)	
	Heating	Btu/h	---		---		---		---	
Moisture Removal	High	Pints/H	1.3		2.5		3.0		---	
Dry Air Flow	High	CFM	395		425		650		---	
SEER	Cooling		21.0		20.0		18.0		17.5	
EER	Cooling		13.1		12.0		13.2		10.2	
HSPF	Heating		---		---		---		---	
Power Supply		V, Phase, Hz	230/208V, 1PH, 60Hz		230/208V, 1PH, 60Hz		230/208V, 1PH, 60Hz		230/208V, 1PH, 60Hz	
Running Amps	Cooling	A	3.1/3.5(~4.4)		4.7/5.2(~6.8)		6.30/7.20		10.75/11.90	
	Heating	A	---		---		---		---	
Power Input	Cooling	W	650(250~850)		1,000(250~1,150)		1,300(430-1,600)		2,350(430-2,720)	
	Heating	W	---		---		---		---	
Back-up Heater		kW	---		---		---		---	
Fuse or Circuit Breaker Capacity		A	15		15		20		25	
Features										
Controls			Microprocessor		Microprocessor		Microprocessor		Microprocessor	
Low Ambient Control			Equipped		Equipped		Equipped		Equipped	
Wireless Remote Controller			Included		Included		Included		Included	
Wired Remote Controller (Optional)			CZ-RD516C-1		CZ-RD516C-1		CZ-RD516C-1		CZ-RD516C-1	
Fan Speeds			5 Speeds + Auto		5 Speeds + Auto		5 Speeds + Auto		5 Speeds + Auto	
Timer			24hr Program		24hr Program		24hr Program		24hr Program	
Air Deflection	Horizontal		Manual		Manual		Automatic		Automatic	
	Vertical		Automatic		Automatic		Automatic		Automatic	
Air Filter			Washable + Anti Microbial Filter		Washable + Anti Microbial Filter		Washable + Anti Microbial Filter		Washable + Anti Microbial Filter	
Refrigerant			R-410A		R-410A		R-410A		R-410A	
Refrigerant control			Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	In(Hi / Lo/ Q-Lo)	dB-A	40 / 25 / 20		43 / 28 /20		47/39/36		48/40/37	
	Outdoor(Hi)	dB-A	47		48		---		51	
Refrigerant Piping	Type		Flare		Flare		Flare		Flare	
	Discharge	inches	1/4"		1/4"		1/4"		1/4"	
	Suction	inches	3/8"		1/2"		1/2"		5/8"	
Refrigerant Pipe Length		Ft.	Max. 66		Max. 66		Max. 100		Max. 131	
Elevation Difference*	Outdoor Above	Ft.	Max. 49		Max. 49		Max. 49		Max. 49	
	Outdoor Below	Ft.	Max. 49		Max. 49		Max. 49		Max. 49	
Dimensions & Weight			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Height		inches	11-7/16"	21-9/32"	11-7/16"	21-9/32"	11-7/16"	31-5/16"	11-7/16"	31-5/16"
Width		inches	34-9/32"	30-23/32"	34-9/32"	30-23/32"	42-5/32"	34-15/32"	42-5/32"	34-15/32"
Depth		inches	8-1/16"	11-13/32"	8-1/16"	11-13/32"	9-9/32"	12-5/8"	9-9/32"	12-5/8"
Net Weight		Lbs.	20.0	82.0	20.0	82.0	26.0	132.0	26.0	132.0

* This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the P.34 in the catalog for more detail.)

ECONAVI: ECONAVI | Room Freeze Protection | Micro-processor Control | Wireless Control | Wired Control | Self Diagnose | DRY: Dry | AUTO: 5 Fan speeds | Air Sweep | Louver | COOLING HEATING: Auto-change over | NIGHT SET BACK: Night setback | Hot Start | 24H PROGRAM: 24hr timer

26PSK1U6



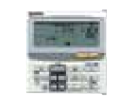
Indoor Unit
S-26PK1U6



Outdoor Unit
U-26PS1U6



Wireless Remote Controller



Wired Remote Controller CZ-RTC2 (optional)

KS30NKUA / KS36NKUA



Indoor Unit
CS-KS30NKU/CS-KS36NKU



Outdoor Unit
CU-KS30NKUA /
CU-KS36NKUA



Wireless Remote Controller



Wired Remote Controller CZ-RD515U (optional)

(optional) | DRY | AUTO | 24H PROGRAM | WEEKLY Timer (optional) | (optional) | Filter sign | LOW AMBIENT | ELECTRIC | R-410A

Wall Mounted Air Conditioners								
Model No.			26PSK1U6		KS30NKUA		KS36NKUA	
Unit Model No.			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
			S-26PK1U6	U-26PS1U6	CS-KS30NKU	CU-KS30NKUA	CS-KS36NKU	CU-KS36NKUA
Performance & Electrical Ratings								
Capacity	Cooling	Btu/h	25,200 (9,500~25,200)		30,600 (10,900~30,600)		34,000 (10,900~34,000)	
	Heating	Btu/h	---		---		---	
Moisture Removal	High	Pints/H	8.1		9.57		10.64	
Dry Air Flow	Hi / Med / Low	CFM	559 / 475 / 390		630 / 530 / 412		630 / 530 / 412	
SEER	Cooling		14.9		16.0		16.0	
EER	Cooling		8.9		9.3		8.5	
HSPF	Heating		---		---		---	
Power Supply		V, Phase, Hz	230 / 208V, 1PH, 60Hz		230 / 208V, 1PH, 60Hz		230 / 208V, 1PH, 60Hz	
Running Amps	Cooling	A	15.3 / 16.9		16.5 / 18		20 / 21.9	
	Heating	A	---		---		---	
Power Input	Cooling	W	2,840 / 2,840		3,290		4,000	
	Heating	W	---		---		---	
Back-up Heater		kW	---		---		---	
Fuse or Circuit Breaker Capacity		A	15	30	35		45	
Features								
Controls			Microprocessor		Microprocessor		Microprocessor	
Low Ambient Control			Built-in 0˚F		Built-in 0˚F		Built-in 0˚F	
Wireless Remote Controller			Included		Included		Included	
Wired Remote Controller(optional)			CZ-RTC2		CZ-RD515U & CZ-RC515UA		CZ-RD515U & CZ-RC515UA	
Fan Speeds			Hi / Me / Lo & Auto		Hi / Me / Lo & Auto		Hi / Me / Lo & Auto	
Timer			24-hr Program		1hr OFF and 24-hr Program		1hr OFF and 24-hr Program	
Air Deflection	Horizontal		Manual		Manual		Manual	
	Vertical		Automatic		Automatic		Automatic	
Air Filter			Washable		Washable		Washable	
Refrigerant			R-410A		R-410A		R-410A	
Refrigerant control			Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	In(Hi / Me / Lo/ Qt)	dB-A	48 / 42 / 38		49 / 44 / 39		49 / 44 / 39	
	Outdoor(Hi)	dB-A	49		55		55	
Refrigerant Piping	Type		Flare		Flare		Flare	
	Discharge	inches	3/8"		3/8"		3/8"	
	Suction	inches	5/8"		5/8"		5/8"	
Refrigerant Pipe Length		Ft.	Max. 165		Max. 164		Max. 164	
Elevation Difference	Outdoor Above	Ft.	Max. 100		Max. 100		Max. 100	
	Outdoor Below	Ft.	Max. 50		Max. 50		Max. 50	
Dimensions & Weight			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Height		inches	12-63/64"	30-23/32"	11-3/16"	35-13/16"	11-3/16"	35-13/16"
Width		inches	44-7/8"	37"	41-15/16"	37-1/3"	41-15/16"	37-1/32"
Depth		inches	8-31/32"	13-3/8"	9-1/16"	13-3/8"	9-1/16"	13-3/8"
Net Weight		Lbs.	40.0	128.0	32	183	32	183

This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the P.34 in the catalog for more detail.)

1H Timer: 1hr off timer | WEEKLY Timer: Weekly Timer | System Controller | Filter sign | Auto Restart | Fresh Air intake | Branch Extension | DP: Drain Pump | LOW AMBIENT: Low Ambient Operation | ELECTRIC: Elect.Valve | R-410A: ODP=0 Refrigerant | Quiet: Quiet | Anti-microbial Filt. | Blue Fin Condenser: Blue Fin

RAC Multi-System Indoor Units

S/E Series

The multi-system type allows a single outdoor unit to be connected to 2 indoor units. It also solves the problem of limited installation space and does not clutter the exterior of your home.



CS-S9NKUW-1 / CS-S12NKUW-1

CS-E9NKUAW / CS-E12NKUAW

CS-ME7QKUA





Wireless Remote Controller "Included" with each indoor



Wired Remote Controller (CZ-RD516C-1) (Optional)

Indoor Unit: Wall Mounted Type

Cooling Only				
Model No.			CS-S9NKUW-1	CS-S12NKUW-1
Power Source			230V / 208V, 1PH, 60Hz	
Running Ampere		A	4.1 / 4.5	4.7 / 5.2
Power Input		W	850	1,000
Capacity	Cooling	Btu/h	9,600	10,900
Moisture Removal	High	Pints/H	1.1	1.3
Unit Dimensions (HxWxD)		inch	11-7/16" x 34-9/32" x 8-1/16"	
Net Weight		Lbs.	9.0	9.0
Air Circulation (High)	Cooling	CFM	400	425
Operating Sound (H/L)	Cooling	dB-A	40 / 25 / 20	43 / 23 / 20
	Heating	dB-A	---	---
Refrigerant Tube Diameter	Discharge	inch	1/4"	1/4"
	Suction	inch	3/8"	1/2"
Adapters required			N / A	CZ-MA1P-Indoor unit
Elevation Difference*	Outdoor Above	Ft.	Max. 49	Max. 49
	Outdoor Below	Ft.	Max. 49	Max. 49

Heat Pump					
Model No.			CS-ME7QKUA	CS-E9NKUAW	CS-E12NKUAW
Power Source			230V / 208V, 1PH, 60Hz		
Running Ampere			2.5 / 2.8	3.1 / 3.5	4.7 / 5.2
Power Input		W	500 (340-810) 740(300-1,230)	650(250-850) 1,150(200-1,500)	1,000(250-1,150) 1,300(200-1,710)
Capacity	Cooling	Btu/h	6,900(6100-9,900)	8,500(4,100-10,200)	12,000(4,100-13,300)
	Heating	Btu/h	10,900(4,100-14,000)	11,200(4,100-14,100)	13,800(4,100-16,300)
Moisture Removal	High	Pints/H	0.8	1.1	1.2
Unit Dimensions (HxWxD)		inch	11-7/16" x 34-9/32" x 8-1/16"		
Net Weight		Lbs.	9.0	9.0	9.0
Air Circulation (High)	Cooling	CFM	390	395	425
	Heating	CFM	425	430	475
Operating Sound	Cooling	dB-A	39/25	40 / 25 / 20	43 / 28 / 20
	Heating	dB-A	41/29	42 / 29 / 26	44 / 35 / 32
Refrigerant Tube Diameter	Discharge	inch	1/4"	1/4"	1/4"
	Suction	inch	1/8"	3/8"	1/2"
Adapters required			N / A	N / A	CZ-MA1P-Indoor unit
Elevation Difference*	Outdoor Above	Ft.	Max. 49	Max. 49	Max. 49
	Outdoor Below	Ft.	Max. 49	Max. 49	Max. 49

* This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the P.34 in the catalog for more detail.)

RAC Multi-System Outoor Units

For 2 Rooms



Blue Fin Condenser



CU-2S18NBU-1 / CU-2E18NBU

Model No.			CU-2S18NBU-1	CU-2E18NBU	
Performance			Cooling	Cooling	Heating
Capacity		Btu/h	16,700	16,700	20,200
Air Circulation	High	CFM	1,313	1,313	
Number of Connectable Indoor Units			2	2	
SEER	Cooling		18.0	18.0	
EER	Cooling		11.5	11.5	
HSPF	Heating		---	8.8	
Electrical Rating					
Power Supply		V, Phase, Hz	230V / 208V, 1PH, 60Hz	230V / 208V, 1PH, 61Hz	
Running Ampere		A	6.9 / 7.6	6.9 / 7.6	8.1 / 9.0
Power Input		W	1,450	1,450	1,850
Maximum Fuse Size		Amps	25	25	
Features					
Controls			Microprocessor	Microprocessor	
Fan Speeds			Auto	Auto	
Compressor			DC Inverter	DC Inverter	
Refrigerant / Amount Charged at Shipment			R-410A / 67.8 Oz	R-410A / 67.80 Oz	
Refrigerant Control			Electric Expansion Valve	Electric Expansion Valve	
Operation Sound	Hi	dB-A	48	48	49
Refrigerant Tubing Connections		Type	Flare	Flare	
Max. Allowable Tubing Length		Ft.	Max.164 (82'per unit)	Max.164 (82'per unit)	
Refrigerant Tube Diameter	Discharge	inch	1/4"	1/4"	
	Suction	inch	3/8"	3/8"	
Dimensions & Weight					
Unit Dimensions	H x W x D	inch	31-5/16" x 34-15/32"(+3-3/4) x 12-5/8"	31-5/16" x 34-15/32"(+3-3/4) x 12-5/8"	
Net Weight		Lbs.	152	152	

CU-2S18NBU-1 & CU-2E18NBU-Cooling

		Cooling Capacity(BTU/h)				Input Power (W)		Current, 208V (A)	Current, 230V (A)	Moisture Removal Volume pt/h
Indoor unit combinations		Room A	Room B	Total	min ~ max	Rating	min ~ max			
1 Room	CS-ME7QKUA	6,900	---	6,900	6,100 ~ 9,900	500	340 ~ 810	2.8	2.5	0.8
	CS-S9NKUW-1 / CS-E9NKUAW	9,600	---	9,600	6,200 ~ 11,200	850	390 ~ 1,020	4.5	4.1	1.1
	CS-S12NKUW-1* / CS-E12NKUAW*	10,900	---	10,900	6,300 ~ 12,800	1,000	390 ~ 1,230	5.2	4.7	1.3
2 Room	CS-ME7QKUA + CS-MECS-ME7QKUA	6,900	6,900	13,800	6,600 ~ 16,200	1,050	390 ~ 1,400	5.5	5.0	0.8 + 0.8
	CS-ME7QKUA + CS-S9NKUW-1	6,900	9,600	16,500	7,000 ~ 19,600	1,500	390 ~ 1,970	7.8	7.1	0.8 + 1.1
	CS-ME7QKUA + CS-S12NKUW-1	6,500	10,200	16,700	7,100 ~ 20,000	1,500	390 ~ 1,970	7.8	7.1	0.8 + 1.3
	CS-S9NKUW-1 / CS-E9NKUAW + CS-S9NKUW-1 / CS-E9NKUAW	8,350	8,350	16,700	7,100 ~ 20,000	1,450	390 ~ 1920	7.6	6.9	1.1 + 1.1
	CS-S9NKUW-1 / CS-E9NKUAW + CS-S12NKUW-1* + CS-E12NKUAW*	7,800	8,900	16,700	7,200 ~ 20,000	1,450	390 ~ 1,870	7.6	6.9	1.1 + 1.3
	CS-S12NKUW-1* / CS-E12NKUAW* + CS-S12NKUW-1* / CS-E12NKUAW*	8,350	8,350	16,700	7,200 ~ 20,000	1,450	390 ~ 1,840	7.6	6.9	1.3 + 1.3

CU-2E18NBU-Heating

		Heating Capacity(BTU/h)				Input Power (W)		Current, 208V (A)	Current, 230V (A)	Moisture Removal Volume pt/h
Indoor unit combinations		Room A	Room B	Total	min ~ max	Rating	min ~ max			
1 Room	CS-ME7QKUA	10,900	---	10,900	4,100 ~ 14,000	740	300 ~ 1,230	4.1	3.7	---
	CS-E9NKUAW	13,700	---	13,700	6,400 ~ 15,700	1,150	440 ~ 1,450	5.9	5.4	---
	CS-E12NKUAW	15,300	---	15,300	6,500 ~ 17,500	1,300	440 ~ 1,630	6.6	6.0	---
2 Room	CS-ME7QKUA + CS-ME7QKUA	10,100	10,100	20,200	7,100 ~ 23,200	1,850	420 ~ 2,240	9.0	8.1	---
	CS-ME7QKUA + CS-E9QKUA	8,400	11,800	20,200	7,000 ~ 23,800	1,850	420 ~ 2,290	9.0	8.1	---
	CS-ME7QKUA + CS-E12QKUA	7,700	12,500	20,200	7,100 ~ 24,200	1,850	420 ~ 2,310	9.0	8.1	---
	CS-E9NKUAW + CS-E9NKUAW	10,100	10,100	20,200	7,100 ~ 24,600	1,850	420 ~ 2,310	9.0	8.1	---
	CS-E9NKUAW + CS-E12NKUAW*	9,400	10,800	20,200	7,200 ~ 24,600	1,850	420 ~ 2,290	9.0	8.1	---
	CS-E12NKUAW* + CS-E12NKUAW*	10,100	10,100	20,200	7,200 ~ 24,600	1,850	420 ~ 2,290	9.0	8.1	---

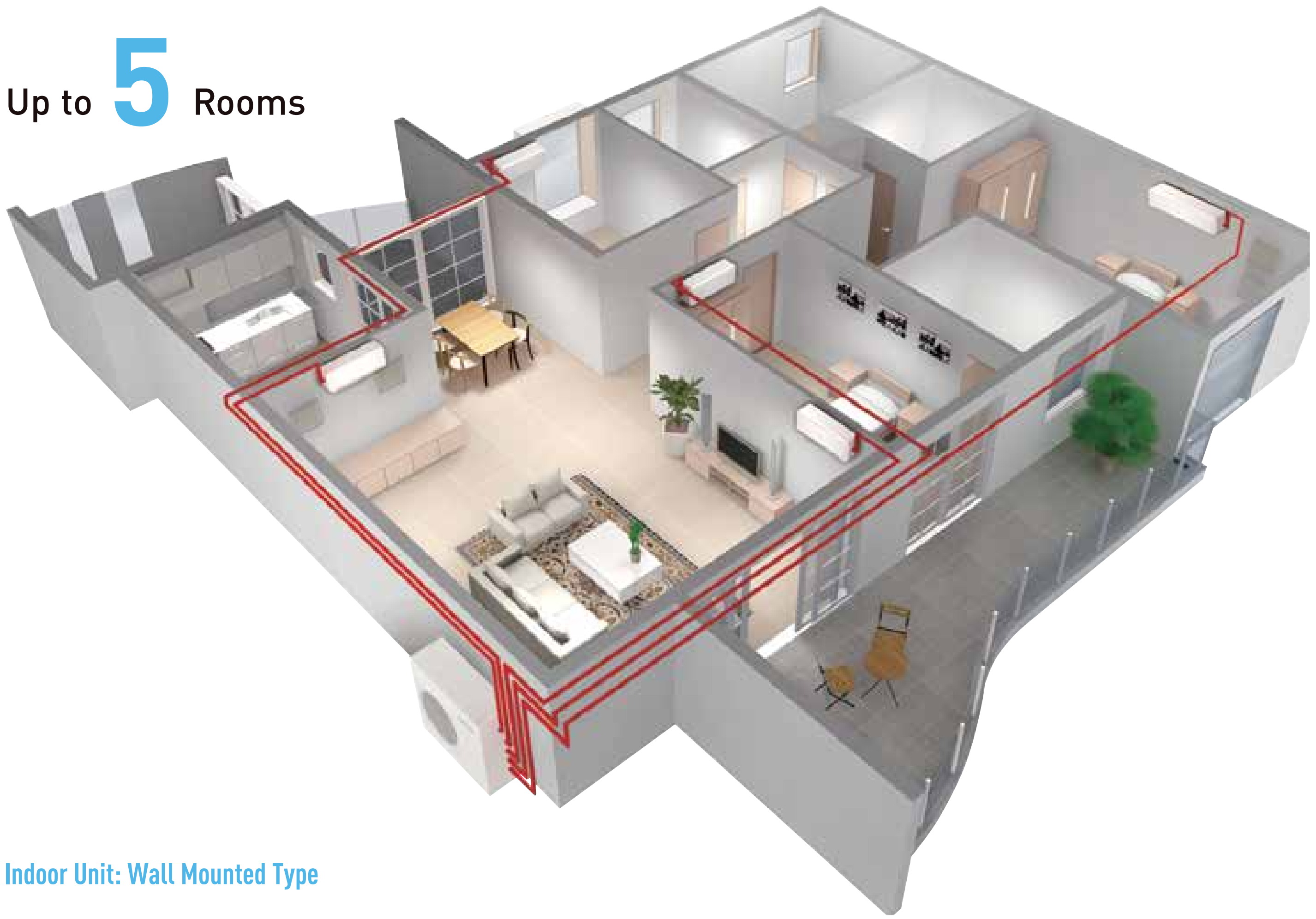
*For CS-S12NKUW-1/CS-E12NKUAW, the pipe size reducer CZ-MA1P must be used when connecting with multi-zone outdoor unit.

ECONAVI · Room Freeze Protection · Micro-processor Control · Wireless Control · Wired Control · Self Diagnose · Dry · 5 Fan speeds · Air Sweep · Louver · Auto-change over · Night setback · Hot Start · 24hr timer · 1hr off timer · Weekly Timer · System Controller · Filter sign · Auto Restart · Fresh Air intake · Branch Extension · Drain Pump · Low Ambient Operation · Elect.Valve · ODP=0 Refrigerant · Quiet · Anti-microbial Filt. · Blue Fin

Advantages of New Multi-Split Inverter System

Connectable from 2 to 5 Indoor units. System 5 allows single outdoor unit to be connected to 2-5 indoor units.
It solves the problem of limited installation space does not clutter the exterior of your home.

Up to 5 Rooms



Indoor Unit: Wall Mounted Type

Model No.			NEW CS-ME7QKUA	CS-E9NKUAW	CS-E12NKUAW	CS-E18NKUA	CS-E24NKUA
Performance & Electrical Ratings							
Capacity	Cooling	Btu/h	6,900 (6,100~9,900)	8,600 (6,100~9,900)	10,900 (6,100~13,000)	17,100 (6,500~19,400)	24,000 (6,800-24,600)
	Heating	Btu/h	10,900 (4,100~14,000)	12,300 (4,100~14,700)	15,300 (4,100~19,800)	23,400 (4,100~23,600)	29,600 (4,800-31,400)
Moisture Removal	High	Pints/H	0.8	1.1	1.3	2.1	3.2
Dry Air Flow	High	CFM	425	430	475	680	700
Power Supply	V, Phase, Hz		230/208V, 1PH, 60Hz	230/208V, 1PH, 60Hz	230/208V, 1PH, 60Hz	230/208V, 1PH, 60Hz	230/208V, 1PH, 60Hz
Running Amps	Cooling	A	2.5/2.8	3.2/3.5	3.9/4.3	7.2 / 8.0	11.3 / 12.5
	Heating	A	3.7/4.1	4.7/5.2	6.0/6.6	9.7 / 10.7	11.8 / 13.0
Power Input	Cooling	W	500 (340-810)	630 (340-810)	800 (340-1,360)	1,550 (340-2,130)	2,490 (370-2,770)
	Heating	W	740 (300-1,230)	940 (300-1,230)	1,230 (300-2,100)	2,100 (300-2,520)	2,550 (680-2,720)
Operation Sound [Hi / Me / Lo / Q-Lo]	Cooling		39 / 33 / 25 / 22	40 / 33 / 25 / 22	43 / 37 / 28 / 25	47 / 43 / 39 / 36	48 / 44 / 40 / 37
	Heating		41 / 38 / 29 / 26	42 / 38 / 29 / 26	44 / 40 / 35 / 32	47 / 42 / 39 / 36	48 / 44 / 40 / 37
Elevation Difference*	Outdoor Above	ft	Max. 49	Max. 49	Max. 49	Max. 49	Max. 49
	Outdoor Below	ft	Max. 47	Max. 47	Max. 47	Max. 47	Max. 47
Refrigerant Tube Diameter	Discharge	inches	1/4"	1/4"	1/4"	1/4"	1/4"
	Suction	inches	3/8"	3/8"	3/8"	3/8"	1/2"
Adapters Required			N/A	N/A	CZ-MA1P Adapter – Indoor Unit	CZ-MA1P Adapter – Indoor Unit	CZ-MA3P Adapter – Indoor Unit CZ-MA2P – Outdoor Unit
Dimensions & Weight							
Height		inches	11-7/16"	11-7/16"	11-7/16"	11-7/16"	11-7/16"
Width		inches	34-9/32"	34-9/32"	34-9/32"	42-5/32"	42-5/32"
Depth		inches	8-1/16"	8-1/16"	8-1/16"	9-9/32"	9-9/32"
Net Weight		lb	20.0	20.0	20.0	26.0	26.0

Caution: All field installed tubing must be compliant to refrigerant 410a.

* A minimum of 2 indoor units must be connected.
* This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the back of the catalog)

ECONAVI | Room Freeze Protection | Micro-processor Control | Wireless Control | Wired Control | Self Diagnose | Dry | 5 Fan speeds | Air Sweep | Louver | Auto-change over | Night setback | Hot Start | 24hr timer

RAC Multi-System Heat Pump

CS-ME7QKUA / CS-E9NKUAW / CS-E12NKUAW



CS-E18NKUA / CS-E24NKUA





Wireless Remote Controller (Standard)



Wired Remote Controller CZ-RD516-1 (Optional)

INVERTER

Blue Fin Condenser

New



(optional)

Tubing Length

Outdoor Tube Size	Narrow	Inches	1/4"
	Wide	Inches	3/8"
Maximum length of tubing between In / Outdoor		ft	82/unit (262 total)
Maximum Elevation difference between In / Outdoor	Above	ft	49
	Below		47
Maximum Length(ft) of Tubing at shipment (System)*	Above	ft	138
	Below	ft	138
Required Additional Refrigerant		Oz/ft	R410a 0.2
Insulation			Both tubes

* It is possible to have a combination of wall-mounted models (CS-ME7QKUA, CS-E9NKUAW, E12NKUAW, CS-E18NKUA, E24NKUA) for the (CU-5E36QBU).
* A minimum of 2 indoor units must be connected.
* No additional refrigerant needed up to 138 ft. of combined tubing.

RAC Multi System

Specifications

Model No.			CU-5E36QBU	
Performance			Cooling	Heating
Capacity	Rated (min-max)	Btu/h	36,000 (9,900-39,000)	37,800 (11,600-49,500)
Air Circulation	High	CFM	2,475	
Number of Connectable Indoor Units			2 ~ 5	
SEER	Cooling		18.5	
EER	Cooling		9.60	
HSPF	Heating		10.0	
Electrical Rating				
Power Supply		V, Phase, Hz	230V / 208V, 1Ph, 60Hz	
Running Ampere		A	17.2 / 19.0	13.4 / 14.8
Power Input		W	3,750 (550-3,860)	2,900 (530-4,240)
Maximum Fuse Size		Amps	45A	
Features				
Controls			Microprocessor	
Compressor			DC Inverter	
Refrigerant / Amount Charged at Shipment		Type/oz	R-410A /120.0 oz	
Refrigerant Control			Electric Expansion Valve	
Operation Sound	Hi	dB-A	55	
Refrigerant Tubing Connections		Type	Flare	
Max. Allowable Tubing Length		ft	82 (per Unit) 262 (per System) with additional refrigerant	
Refrigerant Tube Diameter	Discharge	inches	1/4" x 5	
	Suction	inches	3/8" x 5	
Adapters Required			CZ-MA2P – Outdoor Unit (When connected to CS-24NKUA)	
Dimensions & Weight				
Unit Dimensions	H x W x D	inches	39-11/32" x 37-1/32" x 13-13/32"	
Net Weight		lb	183	

* Test condition based on AHRI 210/240
* When pipes are not extended from the chargeless pipe length, the required amount of refrigerant is already in the unit.
* Use CZ-MA2P when connecting with CS-E24NKUA (3/8" to 1/2")

1hr off timer | Weekly Timer | System Controller | Filter sign | Auto Restart | Fresh Air intake | Branch Extension | Drain Pump | Low Ambient Operation | Elect.Valve | ODP=0 Refrigerant | Quiet | Anti-microbial Filt. | Blue Fin

CU-5KE36QBU 230V

Operation	Indoor Unit Combination		Indoor Unit Capacity (BTU/h)															
			COOLING								HEATING							
			Room A	Room B	Room C	Room D	Room E	Total Performance			Room A	Room B	Room C	Room D	Room E	Total Performance		
								Capacity	Min.	Max.						Capacity	Min.	Max.
2-room Operation	6,900 + 8,600	= 15,500	6,844	8,556				15,400	9,900	19,800	9,244	11,556				20,800	8,200	28,000
	6,900 + 10,900	= 17,800	6,846	10,954				17,800	9,900	19,800	9,077	14,523				23,600	8,200	29,400
	6,900 + 17,100	= 24,000	6,857	17,143				24,000	9,900	28,000	8,743	21,857				30,600	8,200	37,600
	6,900 + 24,000	= 30,900	6,844	23,956				30,800	9,900	35,400	8,089	28,311				36,400	8,900	44,500
	8,600 + 8,600	= 17,200	8,600	8,600				17,200	9,900	19,800	11,100	11,100				22,200	8,200	29,400
	8,600 + 10,900	= 19,500	8,553	10,947				19,500	9,900	22,800	10,877	13,923				24,800	8,200	34,400
	8,600 + 17,100	= 25,700	8,533	17,067				25,600	9,900	30,000	10,667	21,333				32,000	8,200	37,600
	8,600 + 24,000	= 32,600	8,579	24,021				32,600	9,900	36,200	9,947	27,853				37,800	8,900	44,500
	10,900 + 10,900	= 21,800	10,900	10,900				21,800	9,900	24,600	13,800	13,800				27,600	8,200	37,600
	10,900 + 17,100	= 28,000	10,927	17,073				28,000	9,900	32,000	13,580	21,220				34,800	8,200	40,500
	10,900 + 24,000	= 34,900	10,918	23,882				34,800	9,900	37,600	11,859	25,941				37,800	8,900	47,000
	17,100 + 17,100	= 34,200	17,100	17,100				34,200	9,900	37,600	18,900	18,900				37,800	8,200	47,000
	17,100 + 24,000	= 41,100	15,000	21,000				36,000	9,900	37,600	15,750	22,050				37,800	8,900	47,000
	24,000 + 24,000	= 48,000	18,000	18,000				36,000	9,900	37,600	18,900	18,900				37,800	9,500	47,000
3-room Operation	6,900 + 6,900 + 6,900	= 20,700	6,867	6,867	6,867			20,600	9,900	27,600	9,867	9,867	9,867			29,600	11,600	42,000
	6,900 + 6,900 + 8,600	= 22,400	6,892	6,892	8,616			22,400	9,900	27,600	9,415	9,415	11,770			30,600	11,600	42,000
	6,900 + 6,900 + 10,900	= 24,700	6,833	6,833	10,934			24,600	9,900	27,600	9,278	9,278	14,844			33,400	11,600	42,000
	6,900 + 6,900 + 17,100	= 30,900	6,844	6,844	17,112			30,800	9,900	33,800	8,400	8,400	21,000			37,800	11,600	46,500
	6,900 + 6,900 + 24,000	= 37,800	6,545	6,545	22,910			36,000	9,900	38,000	6,873	6,873	24,054			37,800	11,600	47,000
	6,900 + 8,600 + 8,600	= 24,100	6,858	8,571	8,571			24,000	9,900	27,600	9,142	11,429	11,429			32,000	11,600	42,000
	6,900 + 8,600 + 10,900	= 26,400	6,857	8,571	10,972			26,400	9,900	27,600	9,039	11,299	14,462			34,800	11,600	44,000
	6,900 + 8,600 + 17,100	= 32,600	6,863	8,579	17,158			32,600	9,900	35,800	7,958	9,947	19,895			37,800	11,600	46,500
	6,900 + 8,600 + 24,000	= 39,500	6,261	7,826	21,913			36,000	9,900	38,000	6,574	8,217	23,009			37,800	11,600	47,000
	6,900 + 10,900 + 10,900	= 28,700	6,858	10,971	10,971			28,800	9,900	31,400	8,952	14,324	14,324			37,600	11,600	44,000
	6,900 + 10,900 + 17,100	= 34,900	6,823	10,918	17,059			34,800	9,900	38,000	7,412	11,859	18,529			37,800	11,600	46,500
	6,900 + 10,900 + 24,000	= 41,800	5,901	9,443	20,656			36,000	9,900	38,000	6,196	9,915	21,689			37,800	11,600	47,000
	6,900 + 17,100 + 17,100	= 41,100	6,000	15,000	15,000			36,000	9,900	38,000	6,300	15,750	15,750			37,800	11,600	47,000
	6,900 + 17,100 + 24,000	= 48,000	5,143	12,857	18,000			36,000	9,900	38,000	5,400	13,500	18,900			37,800	11,600	48,000
	6,900 + 24,000 + 24,000	= 54,900	4,500	15,750	15,750			36,000	9,900	38,000	4,724	16,538	16,538			37,800	11,600	49,000
	8,600 + 8,600 + 8,600	= 25,800	8,600	8,600	8,600			25,800	9,900	27,600	11,000	11,000	11,000			33,000	11,600	42,000
	8,600 + 8,600 + 10,900	= 28,100	8,598	8,598	11,004			28,200	9,900	31,400	10,915	10,915	13,970			35,800	11,600	44,000
	8,600 + 8,600 + 17,100	= 34,300	8,550	8,550	17,100			34,200	9,900	38,000	9,450	9,450	18,900			37,800	11,600	46,500
	8,600 + 8,600 + 24,000	= 41,200	7,500	7,500	21,000			36,000	9,900	38,000	7,875	7,875	22,050			37,800	11,600	47,000
	8,600 + 10,900 + 10,900	= 30,400	8,540	10,930	10,930			30,400	9,900	33,800	10,618	13,591	13,591			37,800	11,600	46,500
	8,600 + 10,900 + 17,100	= 36,600	8,411	10,766	16,823			36,000	9,900	38,000	8,831	11,305	17,664			37,800	11,600	47,000
	8,600 + 10,900 + 24,000	= 43,500	7,086	9,071	19,843			36,000	9,900	38,000	7,441	9,524	20,835			37,800	11,600	48,000
	8,600 + 17,100 + 17,100	= 42,800	7,200	14,400	14,400			36,000	9,900	38,000	7,560	15,120	15,120			37,800	11,600	47,000
	8,600 + 17,100 + 24,000	= 49,700	6,207	12,414	17,379			36,000	9,900	38,000	6,517	13,034	18,249			37,800	11,600	48,000
	8,600 + 24,000 + 24,000	= 56,600	5,454	15,273	15,273			36,000	9,900	38,000	5,728	16,036	16,036			37,800	11,600	49,000
	10,900 + 10,900 + 10,900	= 32,700	10,933	10,933	10,933			32,800	9,900	33,800	12,600	12,600	12,600			37,800	11,600	46,500
	10,900 + 10,900 + 17,100	= 38,900	10,105	10,105	15,790			36,000	9,900	38,000	10,611	10,611	16,578			37,800	11,600	47,000
	10,900 + 10,900 + 24,000	= 45,800	8,597	8,597	18,806			36,000	9,900	38,000	9,027	9,027	19,746			37,800	11,600	48,000
	10,900 + 17,100 + 17,100	= 45,100	8,728	13,636	13,636			36,000	9,900	38,000	9,164	14,318	14,318			37,800	11,600	48,000
	10,900 + 17,100 + 24,000	= 52,000	7,579	11,842	16,579			36,000	9,900	38,000	7,958	12,434	17,408			37,800	11,600	49,000
	10,900 + 24,000 + 24,000	= 58,900	6,698	14,651	14,651			36,000	9,900	38,000	7,032	15,384	15,384			37,800	11,600	49,000
	17,100 + 17,100 + 17,100	= 51,300	12,000	12,000	12,000			36,000	9,900	38,000	12,600	12,600	12,600			37,800	11,600	49,000
	17,100 + 17,100 + 24,000	= 58,200	10,588	10,588	14,824			36,000	9,900	38,000	11,118	11,118	15,564			37,800	11,600	49,000
4-room Operation	6,900 + 6,900 + 6,900 + 6,900	= 27,600	6,850	6,850	6,850	6,850		27,400	9,900	36,400	9,450	9,450	9,450	9,450		37,800	11,600	48,500
	6,900 + 6,900 + 6,900 + 8,600	= 29,300	6,871	6,871	6,871	8,587		29,200	9,900	36,400	8,894	8,894	8,894	11,118		37,800	11,600	48,500
	6,900 + 6,900 + 6,900 + 10,900	= 31,600	6,870	6,870	6,870	10,990		31,600	9,900	36,400	8,217	8,217	8,217	13,149		37,800	11,600	48,500
	6,900 + 6,900 + 6,900 + 17,100	= 37,800	6,545	6,545	6,545	16,365		36,000	9,900	36,400	6,873	6,873	6,873	17,181		37,800	11,600	48,500
	6,900 + 6,900 + 6,900 + 24,000	= 44,700	5,538	5,538	5,538	19,386		36,000	9,900	37,600	5,815	5,815	5,815	20,355		37,800	11,600	49,000
	6,900 + 6,900 + 8,600 + 8,600	= 31,000	6,844	6,844	8,556	8,556		30,800	9,900	36,400	8,400	8,400	10,500	10,500		37,800	11,600	48,500
	6,900 + 6,900 + 8,600 + 10,900	= 33,300	6,845	6,845	8,557	10,953		33,200	9,900	36,400	7,794	7,794	9,742	12,470		37,800	11,600	48,500
	6,900 + 6,900 + 8,600 + 17,100	= 39,500	6,261	6,261	7,826	15,652		36,000	9,900	36,400	6,574	6,574	8,217	16,435		37,800	11,600	48,500
	6,900 + 6,900 + 8,600 + 24,000	= 46,400	5,333	5,333	6,667	18,667		36,000	9,900	37,600	5,600	5,600	7,000	19,600		37,800	11,600	49,000
	6,900 + 6,900 + 10,900 + 10,900	= 35,600	6,846	6,846	10,954	10,954		35,600	9,900	36,400	7,269	7,269	11,631	11,631		37,800	11,600	48,500
	6,900 + 6,900 + 10,900 + 17,100	= 41,800	5,902	5,902	9,442	14,754		36,000	9,900	37,600	6,197	6,197	9,914	15,492		37,800	11,600	48,500
	6,900 + 6,900 + 10,900 + 24,000	= 48,700	5,070	5,070	8,113	17,747		36,000	9,900	37,600	5,324	5,324	8,518	18,634		37,800	11,600	49,000
	6,900 + 6,900 + 17,100 + 17,100	= 48,000	5,143	5,143	12,857	12,857		36,000	9,900	37,600	5,400	5,400	13,500	13,500		37,800	11,600	49,000
	6,900 + 6,900 + 17,100 + 24,000	= 54,900	4,500	4,500	11,250	15,750		36,000	9,900	39,000	4,725	4,725	11,812	16,538		37,800	11,600	49,000
	6,900 + 8,600 + 8,600 + 8,600	= 32,700	6,863	8,579	8,579	8,579		32,600	9,900	36,400	7,959	9,947	9,947	9,947		37,800	11,600	48,500
	6,900 + 8,600 + 8,600 + 10,900	= 35,000	6,863	8,578	8,578	10,981		35,000	9,900	36,400	7,411	9,265	9,265	11,859		37,800	11,600	48,500
	6,900 + 8,600 + 8,600 + 17,100	= 41,200	6,000	7,500	7,500	15,000		36,000	9,900	36,400	6,300	7,875	7,875	15,750		37,800	11,600	48,500
	6,900 + 8,600 + 8,600 + 24,000	= 48,100	5,142	6,429	6,429	18,000		36,000	9,900	37,600	5,400	6,750	6,750	18,900		37,800	11,600	49,000
	6,900 + 8,600 + 10,900 + 10,900	= 37,300	6,605	8,257	10,569	10,569		36,000	9,900	36,400	6,936	8,670	11,097	11,097		37,800	11,600	48,500
	6,900 + 8,600 + 10,900 + 17,100	= 43,500	5,669	7,087	9,071	14,173		36,000	9,900	37,600	5,953	7,441	9,524	14,882		37,800	11,600	48,500
	6,900 + 8,600 + 10,900 + 24,000	= 50,400	4,898	6,122	7,837	17,143		36,000	9,900	37,600	5,142	6,429	8,229	18,000		37,800	11,600	49,000
	6,900 + 8,600 + 17,100 + 17,100	= 49,700	4,965	6,207	12,414	12,414		36,000	9,900	37,600	5,214	6,518	13,034	13,034		37,800	11,600	49,000
	6,900 + 8,600 + 17,100 + 24,000	= 56,600	4,363	5,455	10,909	15,273		36,000	9,900	39,000	4,582	5,727	11,455	16,036		37,800	11,600	49,000
	6,900 + 10,900 + 10,900 + 10,900	= 39,600	6,207	9,931	9,931	9,931		36,000	9,900	36,400	6,516	10,428	10,428	10,428		37,800	11,600	48,500
	6,900 + 10,900 + 10,900 + 17,100	= 45,800	5,373	8,597	8,597	13,433		36,000	9,900	37,600	5,642	9,027	9,027	14,104		37,800	11,600	49,000

Operation	Indoor Unit Combination		Indoor Unit Capacity (BTU/h)															
			COOLING								HEATING							
			Room A	Room B	Room C	Room D	Room E	Total Performance			Room A	Room B	Room C	Room D	Room E	Total Performance		
								Capacity	Min.	Max.						Capacity	Min.	Max.
4-room Operation	6,900 + 10,900 + 10,900 + 24,000	= 52,700	4,674	7,481	7,481	16,364		36,000	9,900	137,600	4,908	7,855	7,855	17,182		37,800	11,600	49,000
	6,900 + 10,900 + 17,100 + 17,100	= 52,000	4,737	7,579	11,842	11,842		36,000	9,900	37,600	4,974	7,958	12,434	12,434		37,800	11,600	49,000
	6,900 + 10,900 + 17,100 + 24,000	= 58,900	4,186	6,698	10,465	14,651		36,000	9,900	39,000	4,395	7,033	10,988	15,384		37,800	11,600	49,000
	6,900 + 17,100 + 17,100 + 17,100	= 58,200	4,236	10,588	10,588	10,588		36,000	9,900	39,000	4,446	11,118	11,118	11,118		37,800	11,600	49,000
	8,600 + 8,600 + 8,600 + 8,600	= 34,400	8,600	8,600	8,600	8,600		34,400	9,900	36,400	9,450	9,450	9,450	9,450		37,800	11,600	48,500
	8,600 + 8,600 + 8,600 + 10,900	= 36,700	8,411	8,411	8,411	10,767		36,000	9,900	36,400	8,832	8,832	8,832	11,304		37,800	11,600	48,500
	8,600 + 8,600 + 8,600 + 17,100	= 42,900	7,200	7,200	7,200	14,400		36,000	9,900	37,600	7,560	7,560	7,560	15,120		37,800	11,600	48,500
	8,600 + 8,600 + 8,600 + 24,000	= 49,800	6,207	6,207	6,207	17,379		36,000	9,900	37,600	6,517	6,517	6,517	18,249		37,800	11,600	49,000
	8,600 + 8,600 + 10,900 + 10,900	= 39,000	7,895	7,895	10,105	10,105		36,000	9,900	36,400	8,289	8,289	10,611	10,611		37,800	11,600	48,500
	8,600 + 8,600 + 10,900 + 17,100	= 45,200	6,818	6,818	8,727	13,637		36,000	9,900	37,600	7,159	7,159	9,164	14,318		37,800	11,600	49,000
	8,600 + 8,600 + 10,900 + 24,000	= 52,100	5,921	5,921	7,579	16,579		36,000	9,900	37,600	6,217	6,217	7,958	17,408		37,800	11,600	49,000
	8,600 + 8,600 + 17,100 + 17,100	= 51,400	6,000	6,000	12,000	12,000		36,000	9,900	37,600	6,300	6,300	12,600	12,600		37,800	11,600	49,000
	8,600 + 8,600 + 17,100 + 24,000	= 58,300	5,294	5,294	10,588	14,824		36,000	9,900	39,000	5,559	5,559	11,117	15,565		37,800	11,600	49,000
	8,600 + 10,900 + 10,900 + 10,900	= 41,300	7,437	9,521	9,521	9,521		36,000	9,900	37,600	7,809	9,997	9,997	9,997		37,800	11,600	48,500
	8,600 + 10,900 + 10,900 + 17,100	= 47,500	6,474	8,288	8,288	12,950		36,000	9,900	37,600	6,799	8,702	8,702	13,597		37,800	11,600	49,000
	8,600 + 10,900 + 10,900 + 24,000	= 54,400	5,660	7,245	7,245	15,850		36,000	9,900	39,000	5,942	7,608	7,608	16,642		37,800	11,600	49,000
	8,600 + 10,900 + 17,100 + 17,100	= 53,700	5,732	7,338	11,465	11,465		36,000	9,900	37,600	6,019	7,705	12,038	12,038		37,800	11,600	49,000
	8,600 + 17,100 + 17,100 + 17,100	= 59,900	5,142	10,286	10,286	10,286		36,000	9,900	39,000	5,400	10,800	10,800	10,800		37,800	11,600	49,000
	10,900 + 10,900 + 10,900 + 10,900	= 43,600	9,000	9,000	9,000	9,000		36,000	9,900	37,600	9,450	9,450	9,450	9,450		37,800	11,600	49,000
	10,900 + 10,900 + 10,900 + 17,100	= 49,800	7,890	7,890	7,890	12,330		36,000	9,900	37,600	8,285	8,285	8,285	12,945		37,800	11,600	49,000
	10,900 + 10,900 + 10,900 + 24,000	= 56,700	6,940	6,940	6,940	15,180		36,000	9,900	39,000	7,287	7,287	7,287	15,939		37,800	11,600	49,000
	10,900 + 10,900 + 17,100 + 17,100	= 56,000	7,024	7,024	10,976	10,976		36,000	9,900	39,000	7,376	7,376	11,524	11,524		37,800	11,600	49,000
5-room Operation	6,900 + 6,900 + 6,900 + 6,900 + 6,900	= 34,500	6,840	6,840	6,840	6,840	6,840	34,200	9,900	39,000	7,560	7,560	7,560	7,560	7,560	37,800	11,600	49,500
	6,900 + 6,900 + 6,900 + 6,900 + 8,600	= 36,200	6,857	6,857	6,857	6,857	8,572	36,000	9,900	39,000	7,200	7,200	7,200	7,200	9,000	37,800	11,600	49,500
	6,900 + 6,900 + 6,900 + 6,900 + 10,900	= 38,500	6,429	6,429	6,429	6,429	10,284	36,000	9,900	39,000	6,750	6,750	6,750	6,750	10,800	37,800	11,600	49,500
	6,900 + 6,900 + 6,900 + 6,900 + 17,100	= 44,700	5,538	5,538	5,538	5,538	13,848	36,000	9,900	39,000	5,815	5,815	5,815	5,815	14,540	37,800	11,600	49,500
	6,900 + 6,900 + 6,900 + 6,900 + 24,000	= 51,600	4,800	4,800	4,800	4,800	16,800	36,000	9,900	39,000	5,040	5,040	5,040	5,040	17,640	37,800	11,600	49,500
	6,900 + 6,900 + 6,900 + 8,600 + 8,600	= 37,900	6,545	6,545	6,545	8,182	8,182	36,000	9,900	39,000	6,873	6,873	6,873	8,591	8,591	37,800	11,600	49,500
	6,900 + 6,900 + 6,900 + 8,600 + 10,900	= 40,200	6,154	6,154	6,154	7,692	9,846	36,000	9,900	39,000	6,462	6,462	6,462	8,076	10,338	37,800	11,600	49,500
	6,900 + 6,900 + 6,900 + 8,600 + 17,100	= 46,400	5,333	5,333	5,333	6,667	13,334	36,000	9,900	39,000	5,600	5,600	5,600	7,000	14,000	37,800	11,600	49,500
	6,900 + 6,900 + 6,900 + 8,600 + 24,000	= 53,300	4,645	4,645	4,645	5,806	16,259	36,000	9,900	39,000	4,877	4,877	4,877	6,097	17,072	37,800	11,600	49,500
	6,900 + 6,900 + 6,900 + 10,900 + 10,900	= 42,500	5,806	5,806	5,806	9,291	9,291	36,000	9,900	39,000	6,097	6,097	6,097	9,755	9,755	37,800	11,600	49,500
	6,900 + 6,900 + 6,900 + 10,900 + 17,100	= 48,700	5,070	5,070	5,070	8,113	12,677	36,000	9,900	39,000	5,324	5,324	5,324	8,518	13,310	37,800	11,600	49,500
	6,900 + 6,900 + 6,900 + 10,900 + 24,000	= 55,600	4,444	4,444	4,444	7,111	15,557	36,000	9,900	39,000	4,667	4,667	4,667	7,466	16,333	37,800	11,600	49,500
	6,900 + 6,900 + 6,900 + 17,100 + 17,100	= 54,900	4,500	4,500	4,500	11,250	11,250	36,000	9,900	39,000	4,725	4,725	4,725	11,813	11,813	37,800	11,600	49,500
	6,900 + 6,900 + 8,600 + 8,600 + 8,600	= 39,600	6,261	6,261	7,826	7,826	7,826	36,000	9,900	39,000	6,574	6,574	8,217	8,217	8,217	37,800	11,600	49,500
	6,900 + 6,900 + 8,600 + 8,600 + 10,900	= 41,900	5,902	5,902	7,377	7,377	9,442	36,000	9,900	39,000	6,197	6,197	7,746	7,746	9,914	37,800	11,600	49,500
	6,900 + 6,900 + 8,600 + 8,600 + 17,100	= 48,100	5,143	5,143	6,429	6,429	12,856	36,000	9,900	39,000	5,400	5,400	6,750	6,750	13,500	37,800	11,600	49,500
	6,900 + 6,900 + 8,600 + 8,600 + 24,000	= 55,000	4,500	4,500	5,625	5,625	15,750	36,000	9,900	39,000	4,725	4,725	5,906	5,906	16,538	37,800	11,600	49,500
	6,900 + 6,900 + 8,600 + 10,900 + 10,900	= 44,200	5,581	5,581	6,978	8,930	8,930	36,000	9,900	39,000	5,860	5,860	7,326	9,377	9,377	37,800	11,600	49,500
	6,900 + 6,900 + 8,600 + 10,900 + 17,100	= 50,400	4,898	4,898	6,122	7,837	12,245	36,000	9,900	39,000	5,143	5,143	6,428	8,229	12,857	37,800	11,600	49,500
	6,900 + 6,900 + 8,600 + 10,900 + 24,000	= 57,300	4,311	4,311	5,389	6,898	15,091	36,000	9,900	39,000	4,527	4,527	5,659	7,243	15,844	37,800	11,600	49,500
	6,900 + 6,900 + 8,600 + 17,100 + 17,100	= 56,600	4,364	4,364	5,454	10,909	10,909	36,000	9,900	39,000	4,582	4,582	5,726	11,455	11,455	37,800	11,600	49,500
	6,900 + 6,900 + 10,900 + 10,900 + 10,900	= 46,500	5,294	5,294	8,470	8,471	8,471	36,000	9,900	39,000	5,559	5,559	8,894	8,894	8,894	37,800	11,600	49,500
	6,900 + 6,900 + 10,900 + 10,900 + 17,100	= 52,700	4,675	4,675	7,481	7,481	11,688	36,000	9,900	39,000	4,909	4,909	7,855	7,855	12,272	37,800	11,600	49,500
	6,900 + 6,900 + 10,900 + 10,900 + 24,000	= 59,600	4,138	4,138	6,621	6,621	14,482	36,000	9,900	39,000	4,345	4,345	6,952	6,952	15,206	37,800	11,600	49,500
	6,900 + 6,900 + 10,900 + 17,100 + 17,100	= 58,900	4,186	4,186	6,698	10,465	10,465	36,000	9,900	39,000	4,395	4,395	7,034	10,988	10,988	37,800	11,600	49,500
	6,900 + 8,600 + 8,600 + 8,600 + 8,600	= 41,300	6,000	7,500	7,500	7,500	7,500	36,000	9,900	39,000	6,300	7,875	7,875	7,875	7,875	37,800	11,600	49,500
	6,900 + 8,600 + 8,600 + 8,600 + 10,900	= 43,600	5,668	7,087	7,087	7,087	9,071	36,000	9,900	39,000	5,953	7,441	7,441	7,441	9,524	37,800	11,600	49,500
	6,900 + 8,600 + 8,600 + 8,600 + 17,100	= 49,800	4,965	6,207	6,207	6,207	12,414	36,000	9,900	39,000	5,214	6,517	6,517	6,517	13,035	37,800	11,600	49,500
	6,900 + 8,600 + 8,600 + 8,600 + 24,000	= 56,700	4,362	5,455	5,455	5,455	15,273	36,000	9,900	39,000	4,582	5,727	5,727	5,727	16,037	37,800	11,600	49,500
	6,900 + 8,600 + 8,600 + 10,900 + 10,900	= 45,900	5,374	6,716	6,716	8,597	8,597	36,000	9,900	39,000	5,642	7,052	7,052	9,027	9,027	37,800	11,600	49,500
	6,900 + 8,600 + 8,600 + 10,900 + 17,100	= 52,100	4,737	5,921	5,921	7,579	11,842	36,000	9,900	39,000	4,974	6,217	6,217	7,958	12,434	37,800	11,600	49,500
	6,900 + 8,600 + 8,600 + 10,900 + 24,000	= 59,000	4,185	5,233	5,233	6,698	14,651	36,000	9,900	39,000	4,395	5,494	5,494	7,033	15,384	37,800	11,600	49,500
	6,900 + 8,600 + 8,600 + 17,100 + 17,100	= 58,300	4,236	5,294	5,294	10,588	10,588	36,000	9,900	39,000	4,446	5,559	5,559	11,118	11,118	37,800	11,600	49,500
	6,900 + 8,600 + 10,900 + 10,900 + 10,900	= 48,200	5,106	6,384	8,170	8,170	8,170	36,000	9,900	39,000	5,361	6,702	8,579	8,579	8,579	37,800	11,600	49,500
	6,900 + 8,600 + 10,900 + 10,900 + 17,100	= 54,400	4,528	5,660	7,245	7,245	11,322	36,000	9,900	39,000	4,754	5,943	7,608	7,608	11,887	37,800	11,600	49,500
	6,900 + 10,900 + 10,900 + 10,900 + 10,900	= 50,500	4,864	7,784	7,784	7,784	7,784	36,000	9,900	39,000	5,108	8,173	8,173	8,173	8,173	37,800	11,600	49,500
	6,900 + 10,900 + 10,900 + 10,900 + 17,100	= 56,700	4,337	6,940	6,940	6,940	10,843	36,000	9,900	39,000	4,553	7,287	7,287	7,287	11,386	37,800	11,600	49,500
	8,600 + 8,600 + 8,600 + 8,600 + 8,600	= 43,000	7,200	7,200	7,200	7,200	7,200	36,000	9,900	39,000	7,560	7,560	7,560	7,560	7,560	37,800	11,600	49,500
	8,600 + 8,600 + 8,600 + 8,600 + 10,900	= 45,300	6,818	6,818	6,818	6,818	8,728	36,000	9,900	39,000	7,159	7,159	7,159	7,159	9,164	37,800	11,600	49,500
	8,600 + 8,600 + 8,600 + 8,600 + 17,100	= 51,500	6,000	6,000	6,000	6,000	12,000	36,000	9,900	39,000	6,300	6,300	6,300	6,300	12,600	37,800	11,600	49,500
	8,600 + 8,600 + 8,600 + 8,600 + 24,000	= 58,400	5,294	5,294	5,294	5,294	14,824	36,000	9,900	39,000	5,559	5,559	5,559	5,559	15,564	37,800	11,600	49,500
	8,600 + 8,600 + 8,600 + 10,900 + 10,900	= 47,600	6,475	6,475	6,475	8,288	8,288	36,000	9,900	39,000	6,799	6,799	6,799	8,702	8,702	37,800	11,600	49,500
	8,600 + 8,600 + 8,600 + 10,900 + 17,100	= 53,800	5,732	5,732	5,732	7,338	11,466	36,000	9,900	39,000	6,019	6,019	6,019	7,704	12,039	37,800	11,600	49,500
	8,600 + 8,600 + 8,600 + 17,100 + 17,100	= 60,000	5,143	5,143	5,143	10,286	10,286	36,000	9,900	39,000	5,400	5,400	5,400	10,800	10,800	37,800	11,600	49,500
	8,600 + 8,600 + 10,900 + 10,900 + 10,900	= 49,900	6,165	6,165	7,890	7,890	7,890	36,000	9,900	39,000	6,473	6,473	8,285	8,285	8,285	37,800	11,600	49,500
	8,600 + 8,600 + 10,900 + 10,900 + 17,100	= 56,100	5,488	5,488	7,024	7,024	10,976	36,000	9,900	39,000	5,762	5,762	7,376	7,376	11,524	37,800	11,600	49,500
	8,600 + 10,900 + 10,900 + 10,900 + 10,900	= 52,200	5,884	7,529	7,529	7,529	7,529	36,000	9,900	39,000	6,176	7,906	7,906	7,906	7,906	37,800	11,600	49,500
	8,600 + 10,900 + 10,900 + 10,900 + 17,100	= 58,400	5,263	6,737	6,737	6,737	10,526	36,000	9,900	39,000	5,525	7,074	7,074	7,074	11,053	37,800	11,600	49,500
	10,900 + 10,900 + 10,900 + 10,900 + 10,900	= 54,500	7,200	7,200	7,200	7,200	7,200	36,000	9,900	39,000	7,560	7,560	7,560	7,560	7,560	37,800	11,600	49,500

Combination Tables

Fits with Various Sizes of Rooms and Lifestyle

The multi-system type allows a single outdoor unit to be connected to 2 to 4 indoor units. It also solves the problem of limited installation space and does not clutter the exterior of your home.



CS-MKS7NKU / CS-MKS9NKU / CS-MKS12NKU | **CS-MKS18NKU / CS-MKS24NKU**

CS-MKE7NKU / CS-MKE9NKU / CS-MKE12NKU | **CS-MKE18NKU / CS-MKE24NKU**







Wireless Remote Controller (Included) with each indoor



Wired Remote Controller CZ-RD515U (optional)

(optional)

Indoor Unit: Wall Mounted Type

Cooling Only							
Model No.			**CS-MKS7NKU**	**CS-MKS9NKU**	**CS-MKS12NKU**	**CS-MKS18NKU**	**CS-MKS24NKU**
Power Source			230V / 208V, 1 PH, 60 Hz				
Running Ampere		A	0.11 / 0.12	0.15 / 0.17	0.15 / 0.17	0.15 / 0.17	0.20 / 0.22
Power Input		W	25	35	35	35	45
Capacity	Cooling	Btu/h	7,500	9,000	11,900	17,500	24,200
Moisture Removal	High	Pints/H	2.77	3.40	4.26	4.89	4.89
Unit Dimensions (HxWxD)		inch	11"-7/32" x 32"-15/32" x 7"-7/16"			11"-23/32" x 41"-15/16" x 8"-19/32"	
Net Weight		Lbs.	19.8	19.8	19.8	26.5	26.5
Air Circulation (H.M.L)	Cooling	CFM	241 / 224 / 212	259 / 241 / 212	282 / 259 / 218	500 / 447 / 377	541 / 500 / 435
Operating Sound (H/L)	Cooling	dB-A	33 / 23	34 / 23	36 / 25	41 / 28	44 / 30
	Heating	dB-A	---	---	---	---	---
Refrigerant Tube Diameter	Discharge	inch	1/4"	1/4"	1/4"	1/4"	1/4"
	Suction	inch	3/8"	3/8"	3/8"	1/2"	5/8"
Elevation Difference*	Outdoor Above	Ft.	Max. 50	Max. 50	Max. 50	Max. 50	Max. 50
	Outdoor Below	Ft.	Max. 50	Max. 50	Max. 50	Max. 50	Max. 50

Heat Pump							
Model No.			**CS-MKE7NKU**	**CS-MKE9NKU**	**CS-MKE12NKU**	**CS-MKE18NKU**	**CS-MKE24NKU**
Power Source		A	230V-208V, 1 PH, 60 Hz				
Running Ampere		W	0.11 / 0.12	0.15 / 0.17	0.15 / 0.17	0.15 / 0.17	0.20 / 0.22
Power Input			25	35	35	35	45
Capacity	Cooling	Btu/h	7,500	9,000	11,900	17,500	24,200
	Heating	Btu/h	8,500	12,200	14,300	20,400	29,000
Moisture Removal	High	Pints/H	2.77	3.40	4.26	4.89	4.89
Unit Dimensions (HxWxD)		inch	11"-7/32" x 32"-15/32" x 7"-7/16"			11"-23/32" x 41"-15/16" x 8"-19/32"	
Net Weight		Lbs.	19.8	19.8	19.8	26.5	26.5
Air Circulation (H.M.L)	Cooling	CFM	241 / 224 / 212	259 / 249 / 212	282 / 257 / 218	500 / 447 / 377	541 / 500 / 435
	Heating	CFM	271 / 241 / 218	282 / 271 / 218	294 / 271 / 218	500 / 447 / 377	541 / 481 / 435
Hi / Me / Lo / Qt	Cooling	dB-A	33 / 30 / 27 / 23	34 / 31 /28 / 23	36 / 33 / 29 / 25	41 / 38 / 34 / 28	44 / 41 / 38 / 30
Operating Sound	Heating	dB-A	33 / 30 / 27 / 23	34 / 31 /28 / 23	34 / 31 / 29 / 25	40 / 37 / 34 / 28	43 / 40 / 37 / 30
Refrigerant Tube Diameter	Discharge	inch	1/4"	1/4"	1/4"	1/4"	1/4"
	Suction	inch	3/8"	3/8"	3/8"	1/2"	5/8"
Elevation Difference*	Outdoor Above	Ft.	Max. 50	Max. 50	Max. 50	Max. 50	Max. 50
	Outdoor Below	Ft.	Max. 50	Max. 50	Max. 50	Max. 50	Max. 50

* This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the back of the catalog)

ECONAVI · Room Freeze Protection · Micro-processor Control · Wireless Control · Wired Control · Self Diagnose · Dry · 5 Fan speeds · Air Sweep · Louver · Auto-change over · Night setback · Hot Start · 24hr timer

Fits with Various Sizes of Rooms and Lifestyle

The multi-system type allows a single outdoor unit to be connected to 2 to 4 indoor units. It also solves the problem of limited installation space and does not clutter the exterior of your home.



CS-MKS9NB4U / CS-MKS12NB4U / CS-KS18NB4UW

CS-MKE9NB4U / CS-MKE12NB4U / CS-KE18NB4UW





Wireless Remote Controller (Included) with each indoor



Wired Remote Controller CZ-RD515U Wire Kit CZ-RC515U (Optional)

(optional)

Indoor Unit: Ceiling Recessed Type

Cooling Only					
Model No.			**CS-MKS9NB4U**	**CS-MKS12NB4U**	**CS-KS18NB4UW**
Grille Assemblie			CZ-18BT1U		
Power Source			230V / 208V, 1 PH, 60 Hz		
Running Ampere		A	0.10 / 0.11	0.11 / 0.12	0.15 / 0.16
Power Input		W	16	17	22
Capacity	Cooling	Btu/h	9,000	11,900	17,500
Moisture Removal	High	Pints/H	3.4	4.26	4.89
Unit Dimensions (HxWxD)		inch	12.5"-16" x 24"-19/32" x 24"-19/32"		
Net Weight		Lbs	41.3		
Air Circulation (H.M.L)	Cooling	CFM	221 / 206 / 194	235 / 206 / 194	341 / 294 / 253
Operating Sound (H/L)	Cooling	dB-A	33 / 32 / 31	34 / 32 / 31	44 / 40 / 36
	Heating	dB-A	---	---	---
Refrigerant Tube Diameter	Discharge	inch	1/4"	1/4"	1/4"
	Suction	inch	3/8"	3/8"	1/2"
Elevation Difference*	Outdoor Above	Ft.	Max. 50	Max. 50	Max. 50
	Outdoor Below	Ft.	Max. 50	Max. 50	Max. 50

Heat Pump					
Model No.			**CS-MKE9NB4U**	**CS-MKE12NB4U**	**CS-KE18NB4UW**
Grille Assemblie			CZ-18BT1U		
Power Source			230V-208V, 1 PH, 60 Hz		
Running Ampere		A	0.10 / 0.11 & 0.12 / 0.13	0.11 / 0.12 & 0.13 / 0.14	0.15 / 0.16 & 0.19 / 0.20
Power Input		W	16 /18	17 /19	22 / 27
Capacity	Cooling	Btu/h	9,000	11,900	17,500
	Heating	Btu/h	12,300	13,600	20,400
Moisture Removal	High	Pints/H	3.4	4.26	4.89
Unit Dimensions (HxWxD)		inch	12.5"-16" x 24"-19/32" x 24"-19/32"		
Net Weight		Lbs	41.3		
Air Circulation (H.M.L)	Cooling	CFM	221 / 206 / 194	235 / 206 / 194	341 / 294 / 253
	Heating	CFM	247 / 235 / 224	268 / 247 / 224	383 / 324 / 265
Operating Sound(H/L)	Cooling	dB-A	33 / 32 / 31	34 / 32 / 31	44 / 40 / 36
	Heating	dB-A	34 / 33 / 32	35 / 34 / 32	44 / 40 / 36
Refrigerant Tube Diameter	Discharge	inch	1/4"	1/4"	1/4"
	Suction	inch	3/8"	3/8"	1/2"
Elevation Difference*	Outdoor Above	Ft.	Max. 50	Max. 50	Max. 50
	Outdoor Below	Ft.	Max. 50	Max. 50	Max. 50

* This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the back of the catalog)

1hr off timer · Weekly Timer · System Controller · Filter sign · Auto Restart · Fresh Air intake · Branch Extension · Drain Pump · Low Ambient Operation · Elect.Valve · ODP=0 Refrigerant · Quiet · Anti-microbial Filt. · Blue Fin

RAC Multi System

Connectable from 2 to 3 Indoor Units



CU-3KS19NBU
CU-3KE19NBU

Outdoor Unit

Model No.			CU-3KS19NBU	CU-3KE19NBU	
Performance			Cooling	Cooling	Heating
Capacity		Btu/h	17,000	17,000	23,200
Air Circulation	High	CFM	1,707	1,707	
Number of Connectable Indoor Units			2 ~ 3	2 ~ 3	
SEER	Cooling		18.0	18.0	
EER	Cooling		12.0	12.0	
HSPF	Heating		---	8.8	
Electrical Rating					
Power Supply		V, Phase, Hz	230V / 208V, 1Ph, 60Hz	230V / 208V, 1Ph, 60Hz	
Running Ampere		A	6.3 / 7.0	6.3 / 7.0	9.1 / 10.1
Power Input		W	1,420	1,420	2,050
Maximum Fuse Size		Amps	15A	15A	
Features					
Controls			Microprocessor	Microprocessor	
Fan Speeds			Auto (Hi, Me, Lo)	Auto (Hi, Me, Lo)	
Compressor			DC Inverter	DC Inverter	
Refrigerant / Amount Charged at Shipment	1b.		R-410A / 6.17	R-410A / 6.17	
Refrigerant Control			Electric Expansion Valve	Electric Expansion Valve	
Operation Sound	Hi	dB-A	50	50	52
Refrigerant Tubing Connections	Type		Flare	Flare	
Max. Allowable Tubing Length		Ft	82 (per Unit) 150 (per System) with additional refrigerant	82 (per Unit) 150 (per System) with additional refrigerant	
Refrigerant Tube Diameter	Discharge	inch	1/4" x 3	1/4" x 3	
	Suction	inch	3/8" x 3	3/8" x 3	
Dimensions & Weight					
Unit Dimensions	H x W x D	inch	29-1/8" x 35-7/16" x 12-19/32"	29-1/8" x 35-7/16" x 12-19/32"	
Net Weight		Lbs.	138.9	143.0	

IMPORTANT It is not possible to connect an outdoor unit to only a single indoor unit. If operated with only ONE indoor unit installed, the returning refrigerant to the compressor may cause a malfunction.

* Test Conditions based on AHRI 210/240

Connectable from 2 to 4 Indoor Units



CU-4KS24NBU
CU-4KE24NBU

CU-4KS31NBU
CU-4KE31NBU

Outdoor Unit

Model No.			CU-4KS24NBU	CU-4KE24NBU		CU-4KS31NBU	CU-4KE31NBU	
Performance			Cooling	Cooling	Heating	Cooling	Cooling	Heating
Capacity		Btu/h	24,200	22,400	27,200	29,000 / 28,600	29,000 / 28,600	30,600
Air Circulation	High	CFM	1,707	1,707		1,942	1,942	
Number of Connectable Indoor Units			2 ~ 4	2 ~ 4		2 ~ 4	2 ~ 4	
SEER	Cooling		18.0	18.0		17.6	17.2	
EER	Cooling		10.0	11.5		11.2	11.2	
HSPF	Heating		---	8.5		---	9.3	
Electrical Rating								
Power Supply		V, Phase, Hz	230V / 208V, 1Ph, 60Hz	230V / 208V, 1Ph, 60Hz		230V / 208V, 1Ph, 60Hz	230V / 208V, 1Ph, 60Hz	
Running Ampere		A	10.7 / 11.9	8.7 / 9.6	10.0 / 11.0	11.4 / 12.6	11.4 / 12.6	10.1 / 11.2
Power Input		W	2,420	1,950	2,250	2,600 / 2,560	2,600 / 2,560	2,300
Maximum Fuse Size		Amps	20A	20A		20A	20A	
Features								
Controls			Microprocessor	Microprocessor		Microprocessor	Microprocessor	
Fan Speeds			Auto (Hi, Me, Lo)	Auto (Hi, Me, Lo)		Auto (Hi, Me, Lo)	Auto (Hi, Me, Lo)	
Compressor			DC Inverter	DC Inverter		DC Inverter	DC Inverter	
Refrigerant / Amount Charged at Shipment	1b.		R-410A / 6.17	R-410A / 6.17		R-410A / 8.38	R-410A / 8.38	
Refrigerant Control			Electric Expansion Valve	Electric Expansion Valve		Electric Expansion Valve	Electric Expansion Valve	
Operation Sound	Hi	dB-A	50	50	52	53	53	55
Refrigerant Tubing Connections	Type		Flare	Flare		Flare	Flare	
Max. Allowable Tubing Length		Ft	82 (per Unit) 200 (per System with additional Refrigerant)	82 (per Unit) 200 (per System with additional Refrigerant)		100 (per Unit) 230 (per System with additional Refrigerant)	100 (per Unit) 230 (per System with additional Refrigerant)	
Refrigerant Tube Diameter	Discharge	inch	1/4" x 4	1/4" x 4		1/4" x 4	1/4" x 4	
	Suction	inch	3/8" x 3 + 1/2" x 1	3/8" x 3 + 1/2" x 1		3/8" x 2 + 1/2" x 2	3/8" x 2 + 1/2" x 2	
Dimensions & Weight								
Unit Dimensions	H x W x D	inch	29-1/8" x 35-7/16" x 12-19/32"	29-1/8" x 35-7/16" x 12-19/32"		35-1/32" x 35-7/16" x 12-19/32"	35-1/32" x 35-7/16" x 12-19/32"	
Net Weight		Lbs.	138.9	143.3		174.2	181.0	

IMPORTANT It is not possible to connect an outdoor unit to only a single indoor unit. If operated with only ONE indoor unit installed, the returning refrigerant to the compressor may cause a malfunction.

* Test Conditions based on AHRI 210/240

ECONAVI · Room Freeze Protection · Micro-processor Control · Wireless Control · Wired Control · Self Diagnose · Dry · 5 Fan speeds · Air Sweep · Louver · Auto-change over · Night setback · Hot Start · 24hr timer · 1hr off timer · Weekly Timer · System Controller · Filter sign · Auto Restart · Fresh Air intake · Branch Extension · Drain Pump · Low Ambient Operation · Elect.Valve · ODP=0 Refrigerant · Quiet · Anti-microbial Filt. · Blue Fin

RAC Multi-Combination Tables Cooling

Most popular combinations refer to technical manual for complete listing of combinations.

CU-3KS19NBU/CU-3KE19NBU 230V

Indoor Unit Capacity (BTU/h)

	Indoor Unit Combination		COOLING Room A	COOLING Room B	COOLING Room C	COOLING Total Performance Capacity	Min.	Max.	HEATING Room A	HEATING Room B	HEATING Room C	HEATING Total Performance Capacity	Min.	Max.
2-room Operation	7,500 + 7,500	= 15,000	7,500	7,500		15,000	6,800	17,400	8,500	8,500		17,000	6,800	21,800
	7,500 + 9,000	= 16,500	7,500	9,000		16,500	6,800	18,600	8,525	12,275		20,800	7,100	24,800
	7,500 + 11,900	= 19,400	6,727	10,673		17,400	6,800	18,600	8,358	14,042		22,400	7,100	24,800
	7,500 + 17,500	= 25,000	5,520	12,880		18,400	7,100	18,600	7,000	16,800		23,800	8,100	24,800
	9,000 + 9,000	= 18,000	8,500	8,500		17,000	6,800	18,600	11,600	11,600		23,200	7,800	24,800
	9,000 + 11,900	= 20,900	7,622	10,078		17,700	7,100	18,600	10,800	12,600		23,400	7,800	24,800
	9,000 + 17,500	= 26,500	6,317	12,283		18,600	7,100	18,600	9,075	15,125		24,200	8,100	24,800
	11,900 + 11,900	= 23,800	9,200	9,200		18,400	6,800	18,600	11,900	11,900		23,800	7,800	24,800
	11,900 + 17,500	= 29,400	7,529	11,071		18,600	7,100	18,600	10,129	14,471		24,600	8,100	24,800
3-room Operation	7,500 + 7,500 + 7,500	= 22,500	6,000	6,000	6,000	18,000	8,500	18,600	7,800	7,800	7,800	23,400	9,200	24,800
	7,500 + 7,500 + 9,000	= 24,000	5,750	5,750	6,900	18,400	9,800	18,600	6,919	6,919	9,963	23,800	10,200	24,800
	7,500 + 7,500 + 11,900	= 26,900	5,186	5,186	8,228	18,600	9,800	18,600	6,576	6,578	11,048	24,200	10,900	24,800
	7,500 + 7,500 + 17,500	= 32,500	4,292	4,292	10,015	18,600	9,800	18,600	5,636	5,636	13,527	24,800	11,600	24,800
	7,500 + 9,000 + 9,000	= 25,500	5,471	6,565	6,565	18,600	9,800	18,600	6,237	8,981	8,981	24,200	11,600	24,800
	7,500 + 9,000 + 11,900	= 28,400	4,912	5,894	7,794	18,600	9,800	18,600	5,971	8,598	10,031	24,600	11,600	24,800
	7,500 + 9,000 + 17,500	= 34,000	4,103	4,924	9,574	18,600	9,800	18,600	5,124	7,379	12,298	24,800	11,600	24,800
	7,500 + 11,900 + 11,900	= 31,300	4,457	7,072	7,072	18,600	9,800	18,600	5,688	9,556	9,556	24,800	11,600	24,800
	9,000 + 9,000 + 9,000	= 27,000	6,200	6,200	6,200	18,600	9,800	18,600	8,267	8,267	8,267	24,800	11,600	24,800
	9,000 + 9,000 + 11,900	= 29,900	5,599	5,599	7,403	18,600	9,800	18,600	7,832	7,832	9,137	24,800	11,600	24,800
	9,000 + 11,900 + 11,900	= 32,800	5,104	6,748	6,748	18,600	9,800	18,600	7,440	8,680	8,680	24,800	11,600	24,800
	11,900 + 11,900 + 11,900	= 35,700	6,200	6,200	6,200	18,600	9,800	18,600	8,267	8,267	8,267	24,800	11,600	24,800

CU-4KS24NBU/CU-4KE24NBU

Indoor Unit Capacity (BTU/h)

	Indoor Unit Combination		COOLING Room A	COOLING Room B	COOLING Room C	COOLING Room D	COOLING Total Performance Capacity	Min.	Max.	HEATING Room A	HEATING Room B	HEATING Room C	HEATING Room D	HEATING Total Performance Capacity	Min.	Max.
2-room Operation	7,500 + 7,500	= 15,000	7,500	7,500			15,000	6,800	17,400	8,500	8,500			17,000	6,800	21,800
	7,500 + 9,000	= 16,500	7,500	9,000			16,500	6,800	19,700	8,500	12,200			20,800	7,100	25,400
	7,500 + 11,900	= 19,400	7,500	11,900			19,400	6,800	22,800	8,500	14,300			22,800	7,100	28,200
	7,500 + 17,500	= 25,000	6,720	15,680			22,400	7,100	23,200	8,500	20,400			28,200	8,100	29,200
	7,500 + 24,200	= 31,700	5,489	17,711			23,200	7,100	23,200	8,500	29,000			29,200	8,100	29,200
	9,000 + 9,000	= 18,000	9,000	9,000			18,000	6,800	21,400	12,200	12,200			24,400	7,800	29,000
	9,000 + 11,900	= 20,900	8,612	11,388			20,000	6,800	23,200	12,200	14,300			25,800	7,800	29,000
	9,000 + 17,500	= 26,500	7,743	15,057			22,800	7,100	23,200	12,200	20,400			28,600	8,100	29,200
	9,000 + 24,200	= 33,200	6,289	16,911			23,200	7,100	23,200	12,200	29,000			29,200	8,100	29,200
	11,900 + 11,900	= 23,800	11,200	11,200			22,400	6,800	23,200	14,300	14,300			27,200	7,800	29,000
	11,900 + 17,500	= 29,400	9,390	13,810			23,200	7,100	23,200	14,300	20,400			29,000	8,100	29,200
	11,900 + 24,200	= 36,100	7,648	15,552			23,200	7,100	23,200	14,300	29,000			29,200	8,100	29,200
	17,500 + 17,500	= 35,000	11,600	11,600			23,200	7,100	23,200	20,400	20,400			29,200	8,100	29,200
3-room Operation	7,500 + 7,500 + 7,500	= 22,500	7,333	7,333	7,333		22,000	8,500	23,200	8,500	8,500	8,500		25,400	9,200	29,000
	7,500 + 7,500 + 9,000	= 24,000	7,000	7,000	8,400		22,400	9,800	23,200	8,500	8,500	12,200		27,200	10,200	29,200
	7,500 + 7,500 + 11,900	= 26,900	6,413	6,413	10,175		23,000	9,800	23,200	8,500	8,500	14,300		28,200	10,900	29,200
	7,500 + 7,500 + 17,500	= 32,500	5,354	5,354	12,492		23,200	9,800	23,200	8,500	8,500	20,400		29,200	11,600	29,200
	7,500 + 9,000 + 9,000	= 25,500	6,706	8,047	8,047		22,800	9,800	23,200	8,500	12,200	12,200		28,600	11,600	29,200
	7,500 + 9,000 + 11,900	= 28,400	6,127	7,352	9,721		23,200	9,800	23,200	8,500	12,200	14,300		29,000	11,600	29,200
	7,500 + 9,000 + 17,500	= 34,000	5,118	6,141	11,941		23,200	9,800	23,200	8,500	12,200	20,400		29,200	11,600	29,200
	7,500 + 11,900 + 11,900	= 31,300	5,559	8,820	8,820		23,200	9,800	23,200	8,500	14,300	14,300		29,200	11,600	29,200
	7,500 + 11,900 + 17,500	= 36,900	4,715	7,482	11,003		23,200	9,800	23,200	8,500	14,300	20,400		29,200	11,600	29,200
	9,000 + 9,000 + 9,000	= 27,000	7,733	7,733	7,733		23,200	9,800	23,200	12,200	12,200	12,200		29,200	11,600	29,200
	9,000 + 9,000 + 11,900	= 29,900	6,983	6,983	9,233		23,200	9,800	23,200	12,200	12,200	14,300		29,200	11,600	29,200
	9,000 + 9,000 + 17,500	= 35,500	5,882	5,882	11,437		23,200	9,800	23,200	12,200	12,200	20,400		29,200	11,600	29,200
	9,000 + 11,900 + 11,900	= 32,800	6,366	8,417	8,417		23,200	9,800	23,200	12,200	14,300	14,300		29,200	11,600	29,200
	9,000 + 11,900 + 17,500	= 38,400	5,438	7,190	10,573		23,200	9,800	23,200	12,200	14,300	20,400		29,200	11,600	29,200
	11,900 + 11,900 + 11,900	= 35,700	7,733	7,733	7,733		23,200	9,800	23,200	14,300	14,300	14,300		29,200	11,600	29,200
	11,900 + 11,900 + 17,500	= 41,300	6,685	6,685	9,831		23,200	9,800	23,200	14,300	14,300	20,400		29,200	11,600	29,200
4-room Operation	7,500 + 7,500 + 7,500 + 7,500	= 30,000	5,800	5,800	5,800	5,800	23,200	9,800	23,200	7,300	7,300	7,300	7,300	29,200	11,600	29,200
	7,500 + 7,500 + 7,500 + 9,000	= 31,500	5,524	5,524	5,524	6,629	23,200	9,800	23,200	6,952	6,952	6,952	8,343	29,200	11,600	29,200
	7,500 + 7,500 + 7,500 + 11,900	= 34,400	5,058	5,058	5,058	8,026	23,200	9,800	23,200	6,366	6,366	6,366	10,101	29,200	11,600	29,200
	7,500 + 7,500 + 7,500 + 17,500	= 40,000	4,350	4,350	4,350	10,150	23,200	9,800	23,200	5,475	5,475	5,475	12,775	29,200	11,600	29,200
	7,500 + 7,500 + 9,000 + 9,000	= 33,000	5,273	5,273	6,327	6,327	23,200	9,800	23,200	6,636	6,636	7,964	7,964	29,200	11,600	29,200
	7,500 + 7,500 + 9,000 + 11,900	= 35,900	4,847	4,847	5,816	7,690	23,200	9,800	23,200	6,100	6,100	7,320	9,679	29,200	11,600	29,200
	7,500 + 7,500 + 9,000 + 17,500	= 41,500	4,193	4,193	5,031	9,783	23,200	9,800	23,200	5,277	5,277	6,333	12,313	29,200	11,600	29,200
	7,500 + 7,500 + 11,900 + 11,900	= 38,800	4,485	4,485	7,115	7,115	23,200	9,800	23,200	5,644	5,644	8,956	8,956	29,200	11,600	29,200
	7,500 + 7,500 + 11,900 + 17,500	= 44,400	3,919	3,919	6,218	9,144	23,200	9,800	23,200	4,932	4,932	7,826	11,509	29,200	11,600	29,200
	7,500 + 9,000 + 9,000 + 9,000	= 34,500	5,043	6,052	6,052	6,052	23,200	9,800	23,200	6,348	7,617	7,617	7,617	29,200	11,600	29,200
	7,500 + 9,000 + 9,000 + 11,900	= 37,400	4,652	5,583	5,583	7,382	23,200	9,800	23,200	5,856	7,027	7,027	9,291	29,200	11,600	29,200
	7,500 + 9,000 + 9,000 + 17,500	= 43,000	4,047	4,856	4,856	9,442	23,200	9,800	23,200	5,093	6,112	6,112	11,884	29,200	11,600	29,200
	7,500 + 9,000 + 11,900 + 11,900	= 40,300	4,318	5,181	6,851	6,851	23,200	9,800	23,200	5,434	6,521	8,622	8,622	29,200	11,600	29,200
	7,500 + 11,900 + 11,900 + 11,900	= 43,200	4,028	6,391	6,391	6,391	23,200	9,800	23,200	5,069	8,044	8,044	8,044	29,200	11,600	29,200
	9,000 + 9,000 + 9,000 + 9,000	= 36,000	5,800	5,800	5,800	5,800	23,200	9,800	23,200	7,300	7,300	7,300	7,300	29,200	11,600	29,200
	9,000 + 9,000 + 9,000 + 11,900	= 38,900	5,368	5,368	5,368	7,097	23,200	9,800	23,200	6,756	6,756	6,756	8,933	29,200	11,600	29,200
	9,000 + 9,000 + 9,000 + 17,500	= 44,500	4,692	4,692	4,692	9,124	23,200	9,800	23,200	5,906	5,906	5,906	11,483	29,200	11,600	29,200
	9,000 + 9,000 + 11,900 + 11,900	= 41,800	4,995	4,995	6,605	6,605	23,200	9,800	23,200	6,287	6,287	8,313	8,313	29,200	11,600	29,200

CU-4KS31NBU/CU-4KE31NBU 230V

Indoor Unit Capacity (BTU/h)

	Indoor Unit Combination		COOLING Room A	COOLING Room B	COOLING Room C	COOLING Room D	COOLING Total Performance Capacity	Min.	Max.	HEATING Room A	HEATING Room B	HEATING Room C	HEATING Room D	HEATING Total Performance Capacity	Min.	Max.
2-room Operation	7500 + 7,500	= 15,000	7,500	7,500			15,000	4,400	17,400	8,500	8,500			17,000	6,800	21,800
	7500 + 9,000	= 16,500	7,500	9,000			16,500	5,100	19,700	8,541	12,259			20,800	7,100	25,400
	7500 + 11,900	= 19,400	7,500	11,900			19,400	5,800	22,800	8,500	14,300			22,800	7,800	28,200
	7500 + 17,500	= 25,000	7,320	17,080			24,400	7,500	26,200	8,529	20,471			29,000	10,200	32,000
	7500 + 24,200	= 31,700	6,625	21,375			28,000	7,800	30,000	6,800	23,200			30,000	10,200	32,000
	9000 + 9,000	= 18,000	9,000	9,000			18,000	5,800	22,000	12,200	12,200			24,400	8,100	29,000
	9000 + 11,900	= 20,900	8,957	11,843			20,800	6,400	25,200	11,878	13,922			25,800	8,800	29,000
	9000 + 17,500	= 26,500	8,626	16,774			25,400	7,800	29,000	11,002	18,398			29,400	11,200	32,000
	9000 + 24,200	= 33,200	7,861	21,139			29,000	7,800	30,000	9,061	21,539			30,600	11,200	32,000
	11900 + 11,900	= 23,800	11,900	11,900			23,800	7,500	28,600	13,600	13,600			27,200	9,800	29,000
	11900 + 17,500	= 29,400	10,848	15,952			26,800	8,800	30,000	12,281	17,519			29,800	11,600	32,000
	11900 + 24,200	= 36,100	9,625	19,575			29,200	8,800	30,000	10,238	20,762			31,000	11,600	32,000
	17500 + 17,500	= 35,000	14,500	14,500			29,000	8,800	30,000	15,300	15,300			30,600	11,600	32,000
	17500 + 24,200	= 41,700	12,296	17,004			29,300	9,200	30,000	13,215	18,785			32,000	11,600	32,000
3-room Operation	7500 + 7,500 + 7,500	= 22,500	7,467	7,467	7,467		22,400	6,800	26,200	8,467	8,467	8,467		25,400	9,200	30,600
	7500 + 7,500 + 9,000	= 24,000	7,500	7,500	9,000		24,000	7,500	26,600	8,442	8,442	12,116		29,000	10,200	31,200
	7500 + 7,500 + 11,900	= 26,900	7,082	7,082	11,236		25,400	8,100	26,800	7,930	7,930	13,341		29,200	10,900	32,000
	7500 + 7,500 + 17,500	= 32,500	6,600	6,600	15,400		28,600	9,200	30,600	6,818	6,818	16,364		30,000	11,600	32,000
	7500 + 7,500 + 24,200	= 39,200	5,587	5,587	18,027		29,200	9,800	30,600	5,802	5,802	19,796		31,400	11,600	32,000
	7500 + 9,000 + 9,000	= 25,500	7,294	8,753	8,753		24,800	7,800	27,200	7,596	10,902	10,902		29,400	11,200	31,600
	7500 + 9,000 + 11,900	= 28,400	6,972	8,366	11,062		26,400	8,800	27,600	7,237	10,387	12,175		29,800	11,600	32,000
	7500 + 9,000 + 17,500	= 34,000	6,309	7,571	14,721		28,600	9,800	30,600	6,328	9,083	15,188		30,600	11,600	32,000
	7500 + 9,000 + 24,200	= 40,700	5,381	6,457	17,362		29,200	9,800	30,600	5,473	7,855	18,672		32,000	11,600	32,000
	7500 + 11,900 + 11,900	= 31,300	6,613	10,493	10,493		27,600	9,200	28,600	6,873	11,563	11,563		30,000	11,600	32,000
	7500 + 11,900 + 17,500	= 36,900	5,935	9,417	13,848		29,200	9,800	30,600	6,100	10,262	14,639		31,000	11,600	32,000
	7500 + 11,900 + 24,200	= 43,600	5,023	7,970	16,207		29,200	9,800	30,600	5,251	8,834	17,915		32,000	11,600	32,000
	7500 + 17,500 + 17,500	= 42,500	5,153	12,024	12,024		29,200	9,800	30,600	5,517	13,241	13,241		32,000	11,600	32,000
	7500 + 17,500 + 24,200	= 49,200	4,451	10,386	14,363		29,200	9,800	30,600	4,698	11,275	16,028		32,000	11,600	32,000
	9000 + 9,000 + 9,000	= 27,000	8,533	8,533	8,533		25,600	8,500	27,200	10,000	10,000	10,000		30,000	11,600	32,000
	9000 + 9,000 + 11,900	= 29,900	8,187	8,187	10,825		27,200	9,200	28,200	9,520	9,520	11,159		30,200	11,600	32,000
	9000 + 9,000 + 17,500	= 35,500	7,352	7,352	14,296		29,000	9,800	30,600	8,496	8,496	14,207		31,200	11,600	32,000
	9000 + 9,000 + 24,200	= 42,200	6,185	6,185	16,630		29,000	9,800	30,600	7,311	7,311	17,378		32,000	11,600	32,000
	9000 + 11,900 + 11,900	= 32,800	7,848	10,376	10,376		28,600	9,200	29,200	9,150	10,725	10,725		30,600	11,600	32,000
	9000 + 11,900 + 17,500	= 38,400	6,844	9,049	13,307		29,200	9,800	30,600	8,220	9,635	13,745		31,600	11,600	32,000
	9000 + 11,900 + 24,200	= 45,100	5,827	7,705	15,668		29,200	9,800	30,600	7,034	8,245	16,721		32,000	11,600	32,000
	9000 + 17,500 + 17,500	= 44,000	5,973	11,614	11,614		29,200	9,800	30,600	7,366	12,317	12,317		32,000	11,600	32,000
	11900 + 11,900 + 11,900	= 35,700	9,267	9,267	9,267		27,800	9,800	29,000	10,333	10,333	10,333		31,000	11,600	32,000
	11900 + 11,900 + 17,500	= 41,300	8,414	8,414	12,373		29,200	9,800	30,600	9,280	9,280	13,239		31,800	11,600	32,000
	11900 + 11,900 + 24,200	= 48,000	7,239	7,239	14,722		29,200	9,800	30,600	7,944	7,944	16,111		32,000	11,600	32,000
	11900 + 17,500 + 17,500	= 46,900	7,409	10,896	10,896		29,200	9,800	30,600	8,305	11,848	11,848		32,000	11,600	32,000
4-room Operation	7500 + 7,500 + 7,500 + 7,500	= 30,000	7,050	7,050	7,050	7,050	28,200	9,800	28,200	7,400	7,400	7,400	7,400	29,600	11,600	32,000
	7500 + 7,500 + 7,500 + 9,000	= 31,500	6,905	6,905	6,905	8,286	29,000	9,800	29,000	6,899	6,899	6,899	9,903	30,600	11,600	32,000
	7500 + 7,500 + 7,500 + 11,900	= 34,400	6,453	6,453	6,453	10,240	29,600	9,800	29,600	6,577	6,577	6,577	11,069	30,800	11,600	32,000
	7500 + 7,500 + 7,500 + 17,500	= 40,000	5,738	5,738	5,738	13,388	30,600	9,800	30,600	5,815	5,815	5,815	13,956	31,400	11,600	32,000
	7500 + 7,500 + 7,500 + 24,200	= 46,700	4,914	4,914	4,914	15,857	30,600	9,800	30,600	4,991	4,991	4,991	17,028	32,000	11,600	32,000
	7500 + 7,500 + 9,000 + 9,000	= 33,000	6,636	6,636	7,964	7,964	29,200	9,800	29,200	6,324	6,324	9,076	9,076	30,800	11,600	32,000
	7500 + 7,500 + 9,000 + 11,900	= 35,900	6,267	6,267	7,521	9,944	30,000	9,800	30,000	6,097	6,097	8,750	10,257	31,200	11,600	32,000
	7500 + 7,500 + 9,000 + 17,500	= 41,500	5,530	5,530	6,636	12,904	30,600	9,800	30,600	5,484	5,484	7,871	13,161	32,000	11,600	32,000
	7500 + 7,500 + 9,000 + 24,200	= 48,200	4,761	4,761	5,714	15,363	30,600	9,800	30,600	4,674	4,674	6,708	15,945	32,000	11,600	32,000
	7500 + 7,500 + 11,900 + 11,900	= 38,800	5,915	5,915	9,385	9,385	30,600	9,800	30,600	5,816	5,816	9,784	9,784	31,200	11,600	32,000
	7500 + 7,500 + 11,900 + 17,500	= 44,400	5,169	5,169	8,201	12,061	30,600	9,800	30,600	5,261	5,261	8,851	12,627	32,000	11,600	32,000
	7500 + 7,500 + 17,500 + 17,500	= 50,000	4,590	4,590	10,710	10,710	30,600	9,800	30,600	4,706	4,706	11,294	11,294	32,000	11,600	32,000
	7500 + 9,000 + 9,000 + 9,000	= 34,500	6,217	7,461	7,461	7,461	28,600	9,800	28,600	5,880	8,440	8,440	8,440	31,200	11,600	32,000
	7500 + 9,000 + 9,000 + 11,900	= 37,400	6,136	7,364	7,364	9,736	30,600	9,800	30,600	5,691	8,168	8,168	9,574	31,600	11,600	32,000
	7500 + 9,000 + 9,000 + 17,500	= 43,000	5,337	6,405	6,405	12,453	30,600	9,800	30,600	5,103	7,325	7,325	12,248	32,000	11,600	32,000
	7500 + 9,000 + 11,900 + 11,900	= 40,300	5,695	6,834	9,036	9,036	30,600	9,800	30,600	5,517	7,919	9,282	9,282	32,000	11,600	32,000
	7500 + 9,000 + 11,900 + 17,500	= 45,900	5,000	6,000	7,933	11,667	30,600	9,800	30,600	4,910	7,047	8,260	11,783	32,000	11,600	32,000
	7500 + 11,900 + 11,900 + 11,900	= 43,200	5,313	8,429	8,429	8,429	30,600	9,800	30,600	5,292	8,903	8,903	8,903	32,000	11,600	32,000
	7500 + 11,900 + 11,900 + 17,500	= 48,800	4,703	7,462	7,462	10,973	30,600	9,800	30,600	4,730	7,958	7,958	11,353	32,000	11,600	32,000
	9000 + 9,000 + 9,000 + 9,000	= 36,000	7,650	7,650	7,650	7,650	30,600	9,800	30,600	8,000	8,000	8,000	8,000	32,000	11,600	32,000
	9000 + 9,000 + 9,000 + 11,900	= 38,900	7,080	7,080	7,080	9,361	30,600	9,800	30,600	7,670	7,670	7,670	8,990	32,000	11,600	32,000
	9000 + 9,000 + 9,000 + 17,500	= 44,500	6,189	6,189	6,189	12,034	30,600	9,800	30,600	6,849	6,849	6,849	11,453	32,000	11,600	32,000
	9000 + 9,000 + 11,900 + 11,900	= 41,800	6,589	6,589	8,711	8,711	30,600	9,800	30,600	7,366	7,366	8,634	8,634	32,000	11,600	32,000
	9000 + 9,000 + 11,900 + 17,500	= 47,400	5,810	5,810	7,682	11,297	30,600	9,800	30,600	6,606	6,606	7,743	11,046	32,000	11,600	32,000
	9000 + 11,900 + 11,900 + 11,900	= 44,700	6,161	8,146	8,146	8,146	30,600	9,800	30,600	7,085	8,305	8,305	8,305	32,000	11,600	32,000
	11900 + 11,900 + 11,900 + 11,900	= 47,600	7,650	7,650	7,650	7,650	30,600	9,800	30,600	8,000	8,000	8,000	8,000	32,000	11,600	32,000

Combination Tables

26PST1U6

26PET1U6



Indoor Unit
S-26PT1U6

36PST1U6 / 42PST1U6

36PET1U6 / 42PET1U6



Indoor Unit
S-36PT1U6 / S-42PT1U6



Outdoor Unit
U-26PS1U6 / U-26PE1U6



Wired Remote Controller (Included)

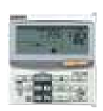
Wirless Remote Controller (optional)



Outdoor Unit
U-36PS1U6 / U-36PE1U6

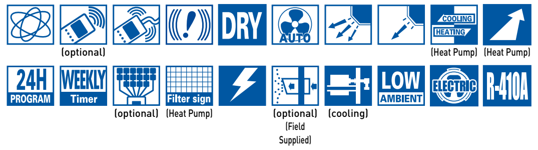


Outdoor Unit
U-42PS1U6 / U-42PE1U6



Wired Remote Controller (Included)

Wirless Remote Controller (optional)



Quiet Operation

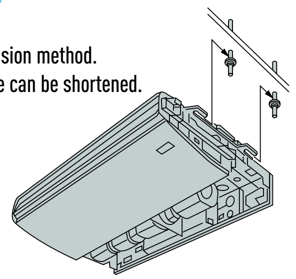
The ceiling-mounted unit is equipped with a highly efficient, multi-blade centrifugal fan that generates a powerful, yet gentle airflow throughout the room.
A redesigned aerodynamically tested louver structure minimizes operational sound even at high fan speed.





Improved Serviceability / Easy Installation

External suspension method.
Installation time can be shortened.

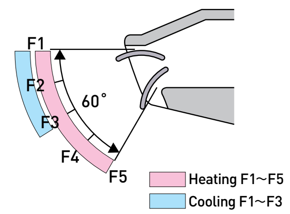


Improved accessibility to electronic components (control box) for serving.



Auto-Louver Function Provides Optimum Airflow During Heating or Cooling Operation

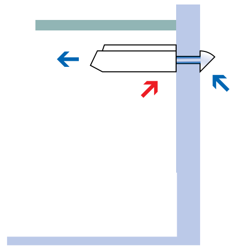
Auto-louver function is a standard feature which provides optimum airflow during heating or cooling operation. Angle of louver is automatically set for heating or cooling. For example, when heating with fan speed set to low, the discharge is aimed downward so that warm air reaches the floor. The louver angle can be set to between 4°F above and 80°F below the horizontal in five steps. An auto-sweep function to distribute the airflow over a wide area is also provided. Wind direction is adjusted automatically in both heating and cooling operation. The louver can also be set to swing automatically from F1 to F5 in any operation mode (heat pump type only).





Fresh Air Intake Capability and Duct Extension

Ceiling-suspended models have the capability of bringing fresh air from outside using an air-intake duct (field supplied).



Ceiling - Suspended														
			Air Conditioners						Heat Pumps					
Model No.			26PST1U6		36PST1U6		42PST1U6		26PET1U6		36PET1U6		42PET1U6	
Unit Model No.			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
			S-26PT1U6	U-26PS1U6	S-36PT1U6	U-36PS1U6	S-42PT1U6	U-42PS1U6	S-26PT1U6	U-26PE1U6	S-36PT1U6	U-36PE1U6	S-42PT1U6	U-42PE1U6
Performance & Electrical Ratings														
Capacity	Cooling	Btu/h	24,400 (9,500~24,400)		31,200 (9,500~31,200)		39,000 (9,500~39,000)		24,400 (9,500~24,400)		31,200 (9,500~31,200)		39,000 (9,500~39,000)	
	Heating	Btu/h	---		---		---		30,800 (8,000~30,800)		37,400 (8,000~37,400)		44,500 (8,000~44,500)	
Moisture Removal	High	Pints/H	7.7		10.0		12.6		7.7		10.0		12.6	
Dry Air Flow	Hi / Med / Low	CFM	550 / 490 / 460		1,100 / 930 / 750		1,130 / 950 / 775		550 / 490 / 460		1,100 / 930 / 750		1,130 / 950 / 775	
SEER	Cooling		14.5		15.1		15.6		14.5		15.1		15.6	
EER	Cooling		8.5		8.10		9.4		8.5		8.10		9.4	
HSPF	Heating		---		---		---		9.4		8.8		9.5	
Power Supply	V, Phase, Hz		230 / 208 / 1 / 60		230 / 208 / 1 / 60		230 / 208 / 1 / 60		230 / 208 / 1 / 60		230 / 208 / 1 / 60		230 / 208 / 1 / 60	
Running Amps	Cooling	A	15.6 / 17.3		18.2 / 20.1		21.1 / 23.3		15.6 / 17.3		18.2 / 20.1		21.1 / 23.3	
	Heating	A	---		---		---		16.4 / 18.1		15.6 / 17.3		18.6 / 20.6	
Power Input	Cooling	W	2,880 / 2,880		3,840 / 3,840		4,140 / 4,140		2,880 / 2,880		3,840 / 3,840		4,140 / 4,140	
	Heating	W	---		---		---		3,000 / 3,000		3,250 / 3,250		3,630 / 3,630	
Fuse or Circuit Breaker Capacity		A	15	30	15	35	15	40	15	30	15	35	15	40
Features														
Controls			Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor	
Low Ambient Control (for Cooling)			Built-in 0˚F		Built-in 0˚F		Built-in 0˚F		Built-in 0˚F		Built-in 0˚F		Built-in 0˚F	
Wireless Remote Controller(optional)			CZ-RWSU2U, CZ-RWSC1U		CZ-RWSU2U, CZ-RWSC1U		CZ-RWSU2U, CZ-RWSC1U		CZ-RWSU2U, CZ-RWSC1U		CZ-RWSU2U, CZ-RWSC1U		CZ-RWSU2U, CZ-RWSC1U	
Wired Remote Controller (included)			CZ-RTC2		CZ-RTC2		CZ-RTC2		CZ-RTC2		CZ-RTC2		CZ-RTC2	
Fan Speeds			3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable	
Timer			7 Days/6 Events		7 Days/6 Events		7 Days/6 Events		7 Days/6 Events		7 Days/6 Events		7 Days/6 Events	
Air Deflection	Horizontal		---		---		---		---		---		---	
	Vertical		Automatic		Automatic		Automatic		Automatic		Automatic		Automatic	
Air Filter			Washable		Washable		Washable		Washable		Washable		Washable	
Refrigerant			R-410A		R-410A		R-410A		R-410A		R-410A		R-410A	
Refrigerant control			Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	In(Hi / Me / Lo)	dB-A	39 / 37 / 33		42 / 40 / 35		44 / 41 / 37		39 / 37 / 33		42 / 40 / 35		44 / 41 / 37	
	Outdoor(Hi)	dB-A	49		52		53		49		52		53	
Refrigerant Piping	Type		Flare		Flare		Flare		Flare		Flare		Flare	
	Discharge	inches	3/8"		3/8"		3/8"		3/8"		3/8"		3/8"	
	Suction	inches	5/8"		5/8"		5/8"		5/8"		5/8"		5/8"	
Refrigerant Pipe Length		Ft.	Max. 165		Max. 165		Max. 165		Max. 165		Max. 165		Max. 165	
Elevation Difference*	Outdoor Above	Ft.	Max. 100		Max. 100		Max. 100		Max. 100		Max. 100		Max. 100	
	Outdoor Below	Ft.	Max. 50		Max. 50		Max. 50		Max. 50		Max. 50		Max. 50	
Dimensions & Weight			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Height		inches	7-17/32"	30-23/32"	9-7/16"	30-23/32"	9-7/16"	48-7/16"	7-17/32"	30-23/32"	9-7/16"	30-23/32"	9-7/16"	48-7/16"
Width		inches	51-3/16"	37"	62-1/32"	37"	62-1/32"	37"	51-3/16"	37"	62-1/32"	37"	62-1/32"	37"
Depth		inches	26-3/8"	13-3/8"	26-3/8"	3-3/8"	26-3/8"	13-3/8"	26-3/8"	13-3/8"	26-3/8"	13-3/8"	26-3/8"	13-3/8"
Net Weight		Lbs.	57.0	128.0	84.0	143.0	84.0	220.0	57.0	128.0	84.0	143.0	84.0	220.0

* This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the back of the catalog)

KS12NB41 / KS18NB4UA

KE12NB41 / KE18NB4U

Indoor Unit
CS-KS12NB41
CS-KS18NB4UW
CS-KE12NB41
CS-KE18NB4UW

Grille Assembly
CZ-18BT1U





Wireless Remote Controller (Included)



Wired Remote Controller (optional)

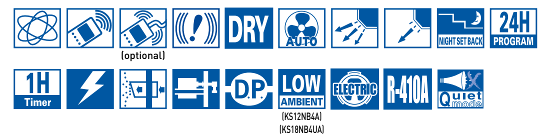
115V



Outdoor Unit
CU-KS12NK1A
CU-KE12NK1



Outdoor Unit
CU-KS18NKUA
CU-KE18NKU



26PSU1U6

26PEU1U6

Indoor Unit
S-26PU1U6

Grille Assembly
CZ-24KPU1U



36PSU1U6 / 42PSU1U6

36PEU1U6 / 42PEU1U6

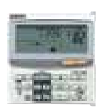
Indoor Unit
S-36PU1U6 / S-42PU1U6

Grille Assembly
CZ-36KPU1U





Outdoor Unit
U-26PS1U6
U-26PE1U6



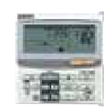
Wired Remote Controller (Included)



Outdoor Unit
U-36PS1U6
U-36PE1U6



Outdoor Unit
U-42PS1U6
U-42PE1U6

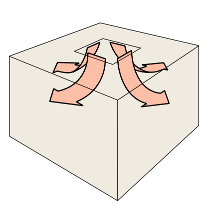


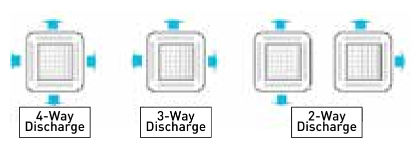
Wired Remote Controller (Included)



4-Way Airflow Design Sends Cool Air in all Directions

Air is returned through the center of the grille, while evenly distributing air through each of the 4 supply air openings. Installation in the center of the room provides for the greatest comfort. However, 1 or 2 supply louvers can be closed for installation near 1 wall to provide 3 or 2 way airflow. Also, by closing off 1 supply louver, you may attach a duct (field supply) to the upper plenum and provide conditioned air to another, separate area.

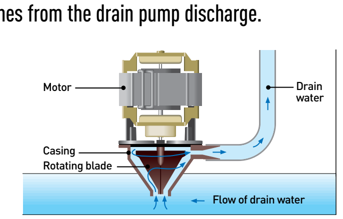






Integrated Drain Pump

Drain pump is built into the unit to raise the condensate up 20 inches from the drain pump discharge.



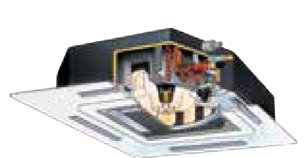
Fresh Air Intake Plenum (Option)

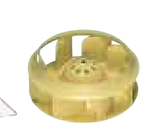
When used to take in fresh air, attach the fresh air-intake plenum to the unit.
Air-intake plenum is optionally supplied.
CZ-26BCU1U for S-26PU1U6
CZ-42BCU1U for S-36/42PU1U6



Whisper-Quiet Operation

Thanks to the newly developed turbo fan and decreased resistance of the air path, one of the industry's lowest levels of noise has been achieved.





Ceiling - Recessed			Air Conditioners				Heat Pumps			
Model No.			KS12NB41A		KS18NB4UA		KE12NB41		KE18NB4U	
Unit Model No.			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
			CS-KS12NB41	CU-KS12NK1A	CS-KS18NB4UW	CU-KS18NKUA	CS-KE12NB41	CU-KE12NK1	CS-KE18NB4UW	CU-KE18NKU
Grille Assembly			CZ-18BT1U		CZ-18BT1U		CZ-18BT1U		CZ-18BT1U	
Performance & Electrical Ratings										
Capacity	Cooling	Btu/h	11,900 (3,000 ~ 11,900)		17,500 (4,000 ~ 17,500)		11,900 (3,000 ~ 11,900)		17,500 (4,000 ~ 17,500)	
	Heating	Btu/h	---		---		13,600 (3,000 ~ 13,600)		20,400 (4,400 ~ 20,400)	
Moisture Removal	High	Pints/H	4.26		4.89		4.26		4.89	
Dry Air Flow	Hi / Med / Low	CFM	235 / 206 / 194		341 / 294 / 253		235 / 206 / 194		341 / 294 / 253	
SEER	Cooling	Btu/Wh	16		16		16		16	
EER	Cooling	Btu/Wh	9.4		9.41		9.4		9.4	
HSPF	Heating	Btu/Wh	---		---		8.5		8.5	
Power Supply	V, Phase, Hz		115V, Single phase, 60Hz		208 / 230V, Single phase, 60Hz		115V, Single phase, 60Hz		208 / 230V, Single phase, 60Hz	
Running Amps	Cooling	A	12.6 (2.5-12.6)		8.3 (1.2-8.3)		12.6 (2.5-12.6)		8.3 (1.2-8.3)	
	Heating	A	---		---		14.6 (2.5-14.6)		10.5 (1.3-10.5)	
Power Input	Cooling	W	1,260 (250-1,260)		1,860 (250-1,860)		1,260 (250-1,260)		1,860 (250-1,860)	
	Heating	W	---		---		1,460 (250-1,460)		2,340 (270-2,340)	
Fuse or Circuit Breaker Capacity		A	20		20		20		20	
Features										
Controls			Microprocessor		Microprocessor		Microprocessor		Microprocessor	
Low Ambient Control (for Cooling)			Equipped		Equipped		Equipped		Equipped	
Wireless Remote Controller			Included		Included		Included		Included	
Wired Remote Controller(optional)			CZ-RD515U		CZ-RD515U		CZ-RD515U		CZ-RD515U	
Fan Speeds			Hi/Me/Lo & Auto		Hi/Me/Lo & Auto		Hi/Me/Lo & Auto		Hi/Me/Lo & Auto	
Timer			1 hr OFF and 24-hr PROGRAM		1 hr OFF and 24-hr PROGRAM		1 hr OFF and 24-hr PROGRAM		1 hr OFF and 24-hr PROGRAM	
Air Deflection	Horizontal		---		---		---		---	
	Vertical		Automatic		Automatic		Microprocessor		Automatic	
Air Filter			Washable		Washable		Washable		Washable	
Refrigerant			R-410A		R-410A		R-410A		R-410A	
Refrigerant Control			Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	In(Hi / Me / Lo)	dB-A	34 / 32 / 31		44 / 40 / 36		34 / 32 / 31		44 / 40 / 36	
	Outdoor(Hi)	dB-A	47		47		51		51	
Refrigerant Piping (Cooling)	Type		Flare		Flare		Flare		Flare	
	Discharge	inches	1/4"		1/4"		1/4"		1/4"	
	Suction	inches	3/8"		1/2"		3/8"		1/2"	
Refrigerant Pipe Length		Ft.	65		98		65		98	
Elevation Difference*	Outdoor Above	Ft.	23		50		23		50	
	Outdoor Below	Ft.	23		50		23		50	
Dimensions & Weight			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Height		inches	12-5/16"	21-9/16"	12-5/16"	26-3/8"	12-5/16"	21-9/16"	12-5/16"	26-3/8"
Width		inches	24-19/32"	28-11/32"	24-19/32"	34-21/32"	24-19/32"	28-11/32"	24-19/32"	34-21/32"
Depth		inches	24-19/32"	10-7/16"	24-19/32"	11-7/32"	24-19/32"	10-7/16"	24-19/32"	11-7/32"
Net Weight		Lbs.	41.3	75.0	41.3	90.4	41.3	75.0	41.3	97.0

Ceiling - Recessed			Air Conditioners						Heat Pumps					
Model No.			26PSU1U6		36PSU1U6		42PSU1U6		26PEU1U6		36PEU1U6		42PEU1U6	
Unit Model No.			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
			S-26PU1U6	U-26PS1U6	S-36PU1U6	U-36PS1U6	S-42PU1U6	U-42PS1U6	S-26PU1U6	U-26PE1U6	S-36PU1U6	U-36PE1U6	S-42PU1U6	U-42PE1U6
Grille Assembly			CZ-24KPU1U		CZ-36KPU1U		CZ-36KPU1U		CZ-24KPU1U		CZ-36KPU1U		CZ-36KPU1U	
Performance & Electrical Ratings														
Capacity	Cooling	Btu/h	24,800 (9,500 ~ 24,800)		32,600 (9,500 ~ 32,600)		39,500 (9,500 ~ 39,500)		24,800 (9,500 ~ 24,800)		32,600 (9,500 ~ 32,600)		39,500 (9,500 ~ 39,500)	
	Heating	Btu/h	---		---		---		29,800 (8,000 ~ 29,800)		37,600 (8,000 ~ 37,600)		48,000 (8,000 ~ 48,000)	
Moisture Removal	High	Pints/H	8.1		10.6		12.6		8.1		10.6		12.6	
Dry Air Flow	Hi / Med / Low	CFM	710 / 530 / 450		1,050 / 840 / 720		1,050 / 840 / 720		710 / 530 / 450		1,050 / 840 / 720		1,050 / 840 / 720	
SEER	Cooling		14.1		14.6		14.6		14.1		14.6		14.6	
EER	Cooling		8.5		8.1		8.7		8.5		8.1		8.7	
HSPF	Heating		---		---		---		9.6		8.4		9.7	
Power Supply	V, Phase, Hz		230 / 208 / 1 / 60		230 / 208 / 1 / 60		230 / 208 / 1 / 60		230 / 208 / 1 / 60		230 / 208 / 1 / 60		230 / 208 / 1 / 60	
Running Amps	Cooling	A	15.6 / 17.3		18.7 / 20.7		23.0 / 25.4		15.6 / 17.3		18.7 / 20.7		23.0 / 25.4	
	Heating	A	---		---		---		14.8 / 16.4		15.9 / 17.6		22.4 / 24.8	
Power Input	Cooling	W	2,920 / 2,920		3,950 / 3,950		4,520 / 4,520		2,920 / 2,920		3,950 / 3,950		4,520 / 4,520	
	Heating	W	---		---		---		2,790 / 2,790		3,350 / 3,350		4,360 / 4,360	
Fuse or Circuit Breaker Capacity		A	15	30	15	35	15	40	15	30	15	35	15	40
Features														
Controls			Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor		Microprocessor	
Low Ambient Control (for Cooling)			Built-in 0˚F		Built-in 0˚F		Built-in 0˚F		Built-in 0˚F		Built-in 0˚F		Built-in 0˚F	
Wireless Remote Controller (optional)			CZ-RWSU2U, CZ-RWSC1U		CZ-RWSU2U, CZ-RWSC1U		CZ-RWSU2U, CZ-RWSC1U		CZ-RWSU2U, CZ-RWSC1U		CZ-RWSU2U, CZ-RWSC1U		CZ-RWSU2U, CZ-RWSC1U	
Wired Remote Controller(included)			CZ-RTC2		CZ-RTC2		CZ-RTC2		CZ-RTC2		CZ-RTC2		CZ-RTC2	
Fan Speeds			3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable	
Timer			7 Days/6 Events		7 Days/6 Events		7 Days/6 Events		7 Days/6 Events		7 Days/6 Events		7 Days/6 Events	
Air Deflection	Horizontal		---		---		---		---		---		---	
	Vertical		Automatic		Automatic		Automatic		Automatic		Automatic		Automatic	
Air Filter			Washable		Washable		Washable		Washable		Washable		Washable	
Refrigerant			R-410A		R-410A		R-410A		R-410A		R-410A		R-410A	
Refrigerant Control			Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	In(Hi / Me / Lo)	dB-A	38 / 35 / 31		44 / 37 / 33		45 / 38 / 34		38 / 35 / 31		44 / 37 / 33		45 / 38 / 34	
	Outdoor(Hi)	dB-A	49		52		53		49		52		53	
Refrigerant Piping	Type		Flare		Flare		Flare		Flare		Flare		Flare	
	Discharge	inches	3/8"		3/8"		3/8"		3/8"		3/8"		3/8"	
	Suction	inches	5/8"		5/8"		5/8"		5/8"		5/8"		5/8"	
Refrigerant Pipe Length		Ft.	Max. 165		Max. 165		Max. 165t		Max. 165		Max. 165		Max. 165	
Elevation Difference*	Outdoor Above	Ft.	Max. 100		Max. 100		Max. 100		Max. 100		Max. 100		Max. 100	
	Outdoor Below	Ft.	Max. 50		Max. 50		Max. 50		Max. 50		Max. 50		Max. 50	
Dimensions & Weight			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Height		inches	13-5/16"	30-23/32"	14-31/64"	30-23/32"	14-31/64"	48-7/16"	13-5/16"	30-23/32"	14-31/64"	30-23/32"	14-31/64"	48-7/16"
Width		inches	33-55/64"	37"	45-9/32"	37"	45-9/32"	37"	33-55/64"	37"	45-9/32"	37"	45-9/32"	37"
Depth		inches	33-55/64"	13-3/8"	33-55/64"	13-3/8"	33-55/64"	13-3/8"	33-55/64"	13-3/8"	33-55/64"	13-3/8"	33-55/64"	13-3/8"
Net Weight		Lbs.	49.0	128.0	60.0	143.0	60.0	220.0	49.0	128.0	60.0	143.0	60.0	220.0

* This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the back of the catalog for more detail.)

4-way Recessed Air Conditioners & Heat Pumps

Concealed Duct Air Conditioners and Heat Pumps

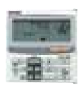
26PSF1U6 26PEF1U6



Indoor Unit
S-26PF1U6
Supplies are 8" dia



Outdoor Unit
U-26PS1U6
U-26PE1U6



Wired Remote Controller (Included)



36PSF1U6 36PEF1U6



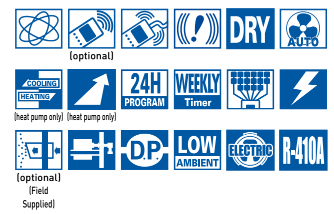
Indoor Unit
S-36PF1U6
Supplies are 8" dia



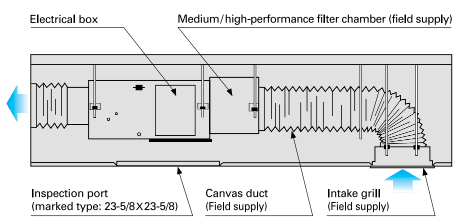
Outdoor Unit
U-36PS1U6
U-36PE1U6



Wired Remote Controller (Included)



Outline diagram with medium or high-performance filter field installed.

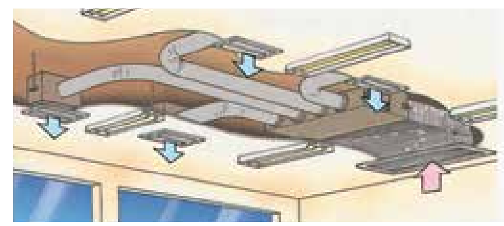


Built-In Drain Pump

Drain pump is built into the unit to raise the condensate up 20 inches from the drain pump discharge.

Installation Example

The picture shows the standard ducting system, where air is taken in from the back of the unit. This system is useful for places that need extensive air conditioning, including conference halls, showrooms, and restaurants.



Concealed Duct										
			Air Conditioners				Heat Pumps			
Model No.			**26PSF1U6**		**36PSF1U6**		**26PEF1U6**		**36PEF1U6**	
Unit Model No.			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
			S-26PF1U6	U-26PS1U6	S-36PF1U6	U-36PS1U6	S-26PF1U6	U-26PE1U6	S-36PF1U6	U-36PE1U6
Performance & Electrical Ratings										
Capacity	Cooling	Btu/h	24,000 (9,500 ~ 24,000)		31,200 (9,500 ~ 31,200)		24,000 (9,500 ~ 24,000)		31,200 (9,500 ~ 31,200)	
	Heating	Btu/h	---		---		28,600 (8,000 ~ 28,600)		36,200 (8,000 ~ 36,200)	
Moisture Removal	High	Pints/H	7.7		10.0		7.7		10.0	
Dry Air Flow	Hi / Med / Low	CFM	670 / 530 / 460		1,060 / 920 / 750		670 / 530 / 460		1,060 / 920 / 750	
SEER	Cooling		14.0		13.9		14.0		13.9	
EER	Cooling		9.1		7.8		9.1		7.8	
HSPF	Heating		---		---		9.0		8.5	
Power Supply	V, Phase, Hz		230 / 208, 1Ph, 60Hz		230 / 208, 1Ph, 60Hz		230 / 208, 1Ph, 60Hz		230 / 208, 1Ph, 60Hz	
Running Amps	Cooling	A	13.6 / 15.0		18.6 / 20.6		13.6 / 15.0		18.6 / 20.6	
	Heating	A	---		---		12.5 / 13.8		15.9 / 17.6	
Power Input	Cooling	W	2,600 / 2,600		3,920 / 3,920		2,600 / 2,600		3,920 / 3,920	
	Heating	W	---		---		2,400 / 2,400		3,340 / 3,340	
External Static Pressure		in. WC	0.20		0.24		0.20		0.24	
Fuse or Circuit Breaker Capacity		A	15	30	15	35	15	30	15	35
Features										
Controls			Microprocessor		Microprocessor		Microprocessor		Microprocessor	
Low Ambient Control			Built-in 0˚F		Built-in 0˚F		Built-in 0˚F		Built-in 0˚F	
Wireless Remote Controller (optional)			CZ-RWSU2U, CZ-RWSC1U		CZ-RWSU2U, CZ-RWSC1U		CZ-RWSU2U, CZ-RWSC1U		CZ-RWSU2U, CZ-RWSC1U	
Wired Remote Controller (included)			CZ-RTC2		CZ-RTC2		CZ-RTC2		CZ-RTC2	
Fan Speeds			3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable		3 and Automatic Control / Variable	
Timer			7 Days/6 Events		7 Days/6 Events		7 Days/6 Events		7 Days/6 Events	
Air Deflection	Horizontal		---		---		---		---	
	Vertical		---		---		---		---	
Air Filter			---		---		---		---	
Refrigerant Control			Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve		Electric Expansion Valve	
Operation Sound	In(Hi / Me / Lo)	dB-A	34 / 30 / 27		38 / 33 / 31		34 / 30 / 27		38 / 33 / 31	
	Outdoor(Hi)	dB-A	49		52		49		52	
Refrigerant Piping	Type		Flare		Flare		Flare		Flare	
	Discharge	inches	3/8"		3/8"		3/8"		3/8"	
	Suction	inches	5/8"		5/8"		5/8"		5/8"	
Refrigerant Pipe Length		Ft.	Max. 165		Max. 165		Max. 165		Max. 165	
Elevation Difference**	Outdoor Above	Ft.	Max. 100		Max. 100		Max. 100		Max. 100	
	Outdoor Below	Ft.	Max. 50		Max. 50		Max. 50		Max. 50	
Dimensions & Weight			Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit	Indoor Unit	Outdoor Unit
Height		inches	12-7/32"	30-23/32"	12-7/32"	30-23/32"	12-7/32"	30-23/32"	12-7/32"	30-23/32"
Width		inches	39-3/8"	37"	58-9/32"	37"	39-3/8"	37"	58-9/32"	37"
Depth		inches	24-13/16"	13-3/8"	24-13/16"	13-3/8"	24-13/16"	13-3/8"	24-13/16"	13-3/8"
Net Weight		Lbs.	71.0	128.0	104.0	143.0	71.0	128.0	104.0	143.0

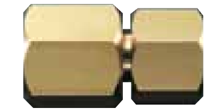
** This is maximum elevation difference when the indoor unit is located above the outdoor unit. (Refer to the table on the back of the catalog for more detail.)

Optional Accessories

Condensate Pump
SI-30-120
SI-30-240
SI1730-2



Tube Size Adapter
CZ-MA1P
CZ-MA2P
CZ-MA3P



Locking Bracket for Remote Control
RCS5PS4B
RCS4MHVB
RCPTC110B





Wired Remote Controller
CZ-RD516C-1



Timer Remote Controller
CZ-RTC2

Replacement Anti-microbial Filter
CZ-SA20P



Fresh Air Intake Plenum
CZ-26BCU1U
CZ-42BCU1U





Wired Remote
CZ-RD515U



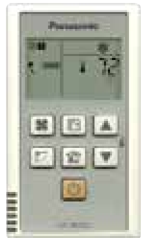
System Controller
CZ-64ESMC1U

H.V.A.C. Accessories		
Model No.	**Description**	**Use With**
DL04060815	Insulated Tubing Kit 1/4" x 3/8" x 1/2" x 15'	S9NKU-1, S12NKU-1, S9NKUA, S12NKUA, KS12NB41A, E9NKUA, E12NKUA, KE12NB41, CU-2S18NBU-1,CU-2E18NBKU, CU-3KS19NBU, CU-4KS24NBU, CU-4KS31NBU, CU-3KE19NBU, CU-4KE24NBU, CU-4KE31NBU,CS-MKS7NKU, CS-MKS9NKU, CS-MKS12NKU, CS-MKE7NKU, CS-MKE9NKU, CS-MKE12NKU
DL04060820	Insulated Tubing Kit 1/4" x 3/8" x 1/2" x 20'	
DL04060835	Insulated Tubing Kit 1/4" x 3/8" x 1/2" x 35'	
DL04080815	Insulated Tubing Kit 1/4" x 1/2" x 1/2" x 15'	S18NKU-1, KS18NB4U, S18NKUA, KS18NKUA, KS18NB4UA, E18NKUA, KE18NKU, KE18NB4U, CU-3KS19NBU,CU-4KS24NBU, CU-4KS31NBU, CU-3KE19NBU, CU-4KE24NBU, CU-4KE31NBU, CS-MKS18NKU, CS-MKE18NKU,S12NKU-1, S12NKUA
DL04080820	Insulated Tubing Kit 1/4" x 1/2" x 1/2" x 20'	
DL04080835	Insulated Tubing Kit 1/4" x 1/2" x 1/2" x 35'	
DL04100820	Insulated Tubing Kit 1/4" x 5/8" x 1/2" x 20'	KS24NKUA, KE24NKU, CU-4KS24NBU, CU-4KS31NBU, CU-4KE24NBU, CU-4KE31NBU, CS-MKS24NKU, CS-MKE24NKU
DL04100830	Insulated Tubing Kit 1/4" x 5/8" x 1/2" x 30'	
DL04100850	Insulated Tubing Kit 1/4" x 5/8" x 1/2" x 50'	
DL06100830	Insulated Tubing Kit 3/8" x 5/8" x 1/2" x 30'	All 26,000 Through 42,000 BTU/h Models
DL06100850	Insulated Tubing Kit 3/8" x 5/8" x 1/2" x 50'	All 26,000 Through 42,000 BTU/h Models
CZ-26BCU1U	Fresh Air Intake Plenum	S-26PU1U6
CZ-42BCU1U	Fresh Air Intake Plenum	S-36PU1U6, S-42PU1U6
RCS5PS4B	Locking Bracket for Remote Controller	All 26,000 Through 42,000 BTU/h Models except 30 & 36
RCS4MHVB	Locking Bracket for Wireless Remote Controller	All KS,KE,MKS & MKE Models
RCPTC110B	Locking Bracket for Wireless Remote Controller	All S/E9,12,18,22,24 Models
BS600	Mounting Bracket for Outdoor Unit	CU-XE9PKUA, CU-XE12PKUA, CU-S9NKU-1, CU-S12NKU-1,CU-S18NKU-1, CU-S22NKU-1, CU-S9NKUA, CU-S12NKUA, CU-S18NKUA, CU-S24NKUA, CU-KS30NKUA, CU-KS36NKUA, CU-KS12NK1A, CU-KS18NKUA,U-26PS1U6, U-36PS1U6, U-42PS1U6, CU-E9NKUA, CU-E12NKUA, CU-E18NKUA, CU-E24NKUA, CU-KE30NKU, CU-KE36NKU, CU-KE12NK1, CU-KE18NKU, U-26PE1U6, U-36PE1U6, U-42PE1U6, CU-2S18NBU-1, CU-3KS19NBU, CU-4KS24NBU, CU-4KS31NBU, CU-2E18NBU, CU-3KE19NBU,CU-4KE24NBU,CU-4KE31NBU
SI-30-120	Condensate Pump	All 115 volt Models
SI-30-240	Condensate Pump	All 230 volt Models (up to 2 ton)
SI1730-2	Condensate Pump	All 230 volt Models (High Vol. Condensate Removal) (2 ton and higher)
CZ-RE2C2	Simple Wired Remote	All 26,000 Through 42,000 BTU/h Models
CZ-RELC2	Simple Wired Remote with Backlight	
CZ-RD515U	Wired Remote Controller	All KS,KE,MKS & MKE Models
CZ-RD516C-1	Wired Remote Controller	XE9PKUA, XE12PKUA, S9NKUA, S12NKUA, S18NKUA, S24NKUA, E9NKUA, E12NKUA, E18NKUA, E24NKUA
CZ-RC515U	Wire Kit	PCB Wire Kit for CZ-RD515U - Required For Use With All KS&KE Models except 30 / 36
CZ-RC515UA	Wire Kit	PCB Wire Kit for CZ-RD515U, CS-KS30NKU, CS-KS36NKU, CS-KE30NKU, CS-KE36NKU
CZ-RTC2	Wired Timer Remote Controller	All 26,000 Through 42,000 BTU/h Models except 30 & 36
CZ-RWSK1U	Wireless Remote Controller	S-26PK1U6 / S-26PK1U6
CZ-RWSU2U	Wireless Remote Controller	S-26/36/42PT1U6, S-26/36/42PU1U6
CZ-RWSC1U	Wireless Remote Controller	S-26/36PF1U6
CZ-64ESMC1U	System Controller	All 26,000 Through 42,000 BTU/h Models except 30 & 36
CZ-MA1P	Tube size Reducer	CS-S12NKUW-1,CS-E12NKUAW (for connection with CU-2S18NBU-1 / CU-2E18NBU)
CZ-SA20P	Replacement Anti-microbial Filter	CS-S9NKUA, S12NKUA, S9NKUW-1, S12NKUW-1, CS-S18NKU, CS-S22NKU, CS-S18NKU-1, CS-S22NKU-1, CS-E9NKUAW, CS-E12NKUAW, CS-E18NKUA, CS-E24NKUA
WINDB-1	Wind Baffle	All models

Remote Controller Options for Models 26,000 Btu's and Larger

Wired Remote Controllers (Except KE30/36NKU, KS30/36NKU)

Simplified Remote Controller



CZ-RE2C2



CZ-RELC2 (with Backlight)

Key Features (Simple Remote):

- Thin and Easy To Read
- Simple To Install and Use
- Can Be Adapted for Use On All 26,000 through 42,000 Utu/h Indoor Units.
- Mode
- Fan Speed Control
- Set Temperature
- On/Off
- Airflow Direction
- Perfectly Suited for Applications Where Simpler Functionality is Required (ie: Hotel Rooms, Nursing Homes, Offices)

Timer Remote Controller



CZ-RTC2

Key Features (Standard Remote/7 Day Timer):

- Thin and Easy To Read
- Simple To Install and Use
- Can Be Adapted for Use On All Indoor Units
- Fan Speed Control
- Airflow Direction
- Operating Mode (Heating/Cooling/Auto/Dry/Fan)
- Vacation Mode for Continued Energy Efficiencies
- Full 7 Day Set-Back Functionality, With Up To 6 Time Periods/Day
- Full System Diagnostic Capability (Diagnostic History Provides Immediate View of System Past and Present.)

System Controller



CZ-64ESMC1U

Multiple Zone Controllers.
The Air Conditioning Gateway.

Panasonic's system and intelligent controls are the central nervous system of the conditioning system, the gateway to all data, temperature and system diagnostics and the heart and soul of conditioning.

Key Features (System Control):

- Controls Up To 64 Units Into 4 Individualized Zones
- Alarm and Operational Signal Output
- Single Access Points for All Connected Wired Remotes

Wireless Remote Controllers

Wireless Remote Controller / Applicable Unit	U1-series (Ceiling Recessed Type) T1-series (Ceiling Suspended Type)	For All Large capacity series Indoor Units
Filter sign  K1-series CZ-RWSK1U	**Built-in type** • Signal receiving unit can be installed in the outer panel of indoor unit. • Control panel can be installed in the inside indoor unit.  CZ-RWSU2U	**External type** • Separate type signal receiving unit.  CZ-RWSC1U

Remote Controllers Functions

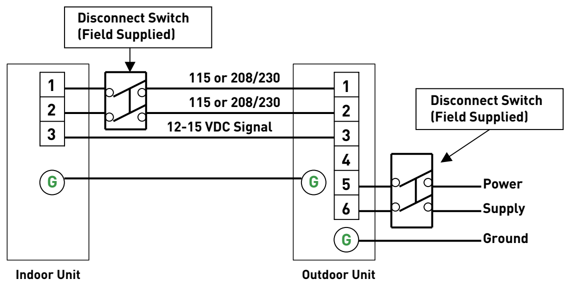
			Timer Remote Controller (CZ-RTC2)	System Controller (CZ-64ESMC1U)
Function	ON/OFF		●	● (Collective/Individual)
	Operation mode switch	Heating	●	● (Individual)
		Dry	●	● (Individual)
		Cooling	●	● (Individual)
		Fan	●	● (Individual)
	Temp setting		●	● (Individual)
	Fan speed setting (Hi/Mid./Lo/Auto)		●	● (Individual)
	Auto flap	Auto airflow direction setting	●	●
		Arbitrary airflow direction setting	●	●*
	Sweep (Flap swing)		●	●*
	Sensor temp. display		●	×
	Self-diagnostic function		●	●
System	Central control (at hand inhibited)		×	●
	Group control		● (Up to 8 units)	● (Up to 64 groups)
	Concurrent use with weekly timer		●	●
Setting Range	Cooling, dry	(°F)	65 – 86	
	Heating	(°F)	61 – 79	

●: Controllable
×: Uncontrollable

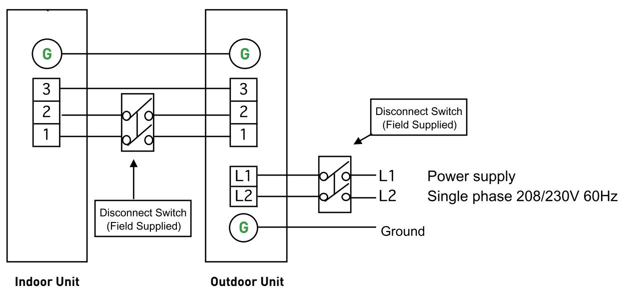
Note:
If you use both remote controller and system controller concurrently, both controllers can be used on a last-signal priority basis.

Wiring Schematics

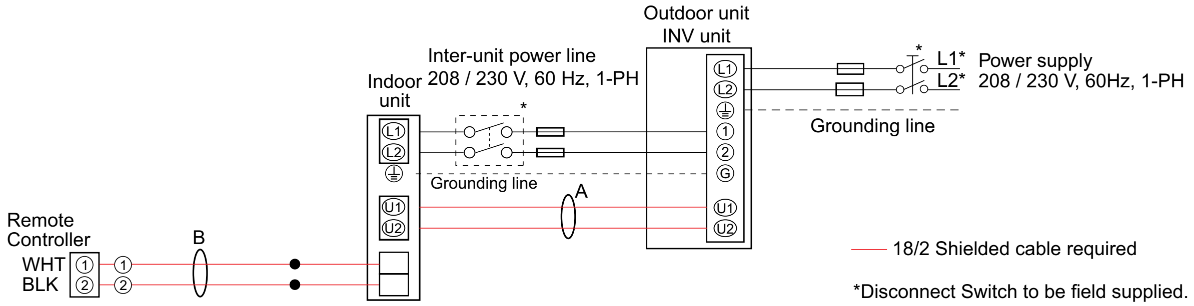
9,000 - 24,000 Btu/h single zone, KS30/36 NKUA, KE30/36NKU



For S9/12/18/24/NKUA, S9/12/18/22/NKU-1, E9/12/18/24NKUA



26,000 - 42,000 Btu/h single zone wiring schematic (Except KS30/36NKUA, KE30/36NKU)



RAC Multi wiring schematic

4 indoor units with CU-4KE24NBU, CU-4KE31NBU

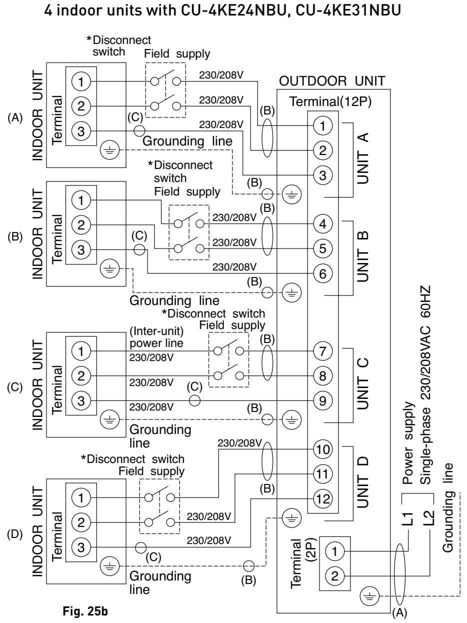
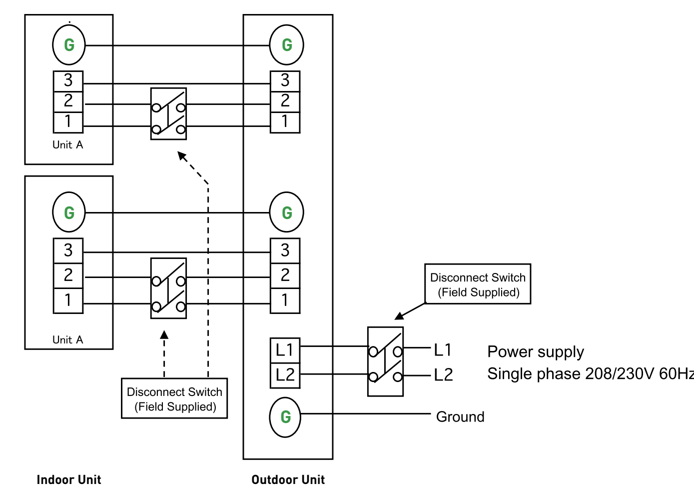


Fig. 25b

For CU-2S18NBU-1 / CU-2E18NBU



*These wiring diagrams are for reference only. Please refer to installation manual for details.
*Please be sure to follow National/Local codes for installation

Operation Range

Cooling Models (S9/12/18/22NKU-1)

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	90°F DB / 74°F WB	115°F DB
	Minimum	60°F DB / 52°F WB	60°F DB / 52°F WB

Low Ambient Cooling Models (S9/12/18/24NKUA)

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	90°F DB / 74°F WB	115°F DB
	Minimum	60°F DB / 52°F WB	0°F DB(S18/24) / 5°F DB (S9/12)

Cooling Models above 26,000 Btu

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	95°F DB / 71°F WB	115°F DB
	Minimum	67°F DB / 57°F WB	0°F DB

Cooling Models KS30/36NKUA

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	95°F DB / 71°F WB	115°F DB
	Minimum	67°F DB / 57°F WB	0°F DB

RAC Multi KS Series Cooling Models

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	95°F DB / 71°F WB	115°F DB
	Minimum	67°F DB / 57°F WB	14°F DB

RAC Multi KE Series Heating Models

	Temperature	Indoor Air Take	Outdoor Air Take
Cooling	Maximum	95°F DB / 71°F WB	115°F DB
	Minimum	67°F DB / 57°F WB	14°F WB
Heating	Maximum	80°F DB / 67°F WB	75°F DB / 65°F WB
	Minimum	60°F DB / -˚F WB	0°F WB

Heat Pump Models (XE9/12PKUA)

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	90°F DB / 74°F WB	115°F DB / 79°F WB
	Minimum	60°F DB / 52°F WB	0°F DB / 0°F WB
Heating	Maximum	86°F DB / -°F WB	75°F DB / 64°F WB
	Minimum	60˚F DB / -˚F WB	0°F DB / -2 °F WB

Heat Pump Models (E9/12/18/24NKUA)

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	90°F DB / 74°F WB	115°F DB
	Minimum	60°F DB / 52°F WB	5°F DB(E18/24) / 5°F DB (E9/12)
Heating	Maximum	86°F DB / -°F WB	75°F DB / 64°F WB
	Minimum	60˚F DB / -˚F WB	5°F DB / -°F WB

Heat Pump Models above 26,000 Btu

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	95°F DB / 71°F WB	115°F DB
	Minimum	64°F DB / 57°F WB	0°F DB
Heating	Maximum	86°F DB / 67°F WB	75°F DB / 65°F WB
	Minimum	61˚F DB / -˚F WB	-4°F DB

Heat Pump Models KE30/36NKU

	Temperature	Indoor Air Intake Temp.	Outdoor Air Intake Temp.
Cooling	Maximum	95°F DB / 71°F WB	115°F DB
	Minimum	67°F DB / 57°F WB	14°F DB
Heating	Maximum	80°F DB / 67°F WB	75°F DB / 65°F WB
	Minimum	60˚F DB / -˚F WB	0°F DB

Sanyo to Panasonic Cross Reference

* H/P: Heat Pump, C/O: Cooling Only

PAC Outdoor 2types / 10models

Category		Capacity Kbtu/h	Model No.	Model No.
PAC-i (Split)	H/P	26	CH2672R	U-26PE1U6
		36	CH3672R	U-36PE1U6
		42	CH4272R	U-42PE1U6
		30	CH3082	CU-KE30NKU
		36	CH3682	CU-KE36NKU
	C/O	26	C2672R	U-26PS1U6
		36	C3672R	U-36PS1U6
		42	C4272R	U-42PS1U6
		30	C3082	CU-KS30NKUA
		36	C3682	CU-KS36NKUA

PAC Indoor 5types / 15models (13models, Panel : 2models)

Category		Capacity Kbtu/h	Model No.	Model No.
4-Way Cassette	H/P	26	XHW2672R	S-26PU1U6
		36	XHW3672R	S-36PU1U6
		42	XHW4272R	S-42PU1U6
		Panel	PNR-XH2442	CZ-24KPU1U
		Panel	PNR-XH3642	CZ-36KPU1U
Wall Mount	H/P	26	KHS2672R	S-26PK1U6
Wall Mount	C/O	36	KS3082	CS-KS30NKU
		42	KS3682	CS-KS36NKU
	H/P	30	KHS3082	CS-KE30NKU
		36	KHS3682	CS-KE36NKU
Ceiling Suspended	H/P	26	THW2672R	S-26PT1U6
		36	THW3672R	S-36PT1U6
		42	THW4272R	S-42PT1U6
Duct	H/P	26	UHW2672R	S-26PF1U6
		36	UHW3672R	S-36PF1U6

RAC (37models)

Category		Capacity Kbtu/h	Model No.	Model No.
Mini Cassette	Inv C/O	12	XS1271	CS-KS12NB41
		Panel	PNR-XS1872	CZ-18BT1U
Outdoor Unit		12	CL1271	CU-KS12NK1A
		18	C1872	CU-KS18NKU
		18	CL1872	CU-KS18NKUA
		24	C2472	CU-KS24NKU
		24	CL2472	CU-KS24NKUA
Mini Cassette	Inv H/P	12	XHS1271	CS-KE12NB41
		18	XHS1872	CS-KE18NB4UW
		Panel	PNR-XS1872	CZ-18BT1U
Outdoor Unit		12	CH1271	CU-KE12NK1
Wall Mount	Flexi Multi C/O	7	KMS0772	CS-MKS7NKU
		9	KMS0972	CS-MKS9NKU
		12	KMS1272	CS-MKS12NKU
		18	KMS1872	CS-MKS18NKU
		24	KMS2472	CS-MKS24NKU
Mini Cassette		9	XMS0972	CS-MKS9NB4U
		12	XMS1272	CS-MKS12NB4U
		Panel	PNR-XS1872	CZ-18BT1U
Outdoor Unit		19	CM1972A	CU-3KS19NBU
		24	CM2472A	CU-4KS24NBU
		31	CM3172A	CU-4KS31NBU
Wall Mount	Flexi Multi H/P	7	KMHS0772	CS-MKE7NKU
		9	KMHS0972	CS-MKE9NKU
		12	KMHS1272	CS-MKE12NKU
		18	KMHS1872	CS-MKE18NKU
		24	KMHS2472	CS-MKE24NKU
Mini Cassette		9	XMHS0972	CS-MKE9NB4U
		12	XMHS1272	CS-MKE12NB4U
		Panel	PNR-XS1872	CZ-18BT1U
Outdoor Unit		19	CMH1972A	CU-3KE19NBU
		24	CMH2472A	CU-4KE24NBU
		31	CMH3172A	CU-4KE31NBU

Controllers

Category		Model No.	Model No.
Wireless RC	Common	RCS-BH80AAB.WL	CZ-RWSC1U
	4-Way	RCS-SH80AAB.WL	CZ-RWSU1U
	Wall Mount	RCS-SH1AAB	CZ-RWSK1U
System Controller		SHA-KC64UG	CZ-64ESMC1U
Simple Remote		RCS-KR1EG	CZ-RE2C2
Simple Wired RC		NEW	CZ-RELC2
Wireless RC	U1/T1 Series	RCS-SH80UA.WL	CZ-RWSU2U
Wired Kit		STK-KCW1	CZ-RC515U
		STK-KCW2	CZ-RC515UA
Wired RC		STK-RCS-7TWSUA	CZ-RD515U

Accessories

Category		Model No.	Model No.
Fresh Air intake	4-Way	CMB-GSJ80U	CZ-26BCU1U
	4-Way	CMB-GSJ140U	CZ-42BCU1U
Outdoor Bracket		STK-KSB2050	CZ-12UD1U
		STK-KSB5050	CZ-30UD1U

Rating Conditions

	Cooling	Heating
Inside air temperature	80°F DB / 67°F WB	70°F DB / 60°F WB
Outside air temperature	95°F DB (75°F WB)	47°F DB / 43°F WB

Operation Range

Tubing Sizes, Lengths and Elevation Differences, Refrigerant Charge Adjustment and Insulation Chart

SYSTEM MODEL	OD Tube Size (Inches)		Maximum length (ft) of tubing between In/Outdoor	Maximum Elevation difference (ft) between In/Outdoor		Maximum Length(ft) of Tubing at shipment	Required Additional Refrigerant Oz/ft	Insulation
	Narrow	Wide		Outdoor Above	Outdoor Below			
S9NKU-1	1/4"	3/8"	49'	16'	16'	25'	R-410A 0.2	Both Tubes
S9NKUA			66'	49'	49'			
XE9PKUA								
E9NKUA								
KS12NB41A				23'	23'		R-410A 0.16	
KE12NB41								
S12NKU-1		1/2"	49'	16'	16'		R-410A 0.2	
S12NKUA			66'	49'	49'			
XE12PKUA								
E12NKUA								
S18NKU-1						33'		
S18NKUA			100'					
E18NKUA								
KS18NKUA				50'	50'	25'	R-410A 0.27	
KS18NB4UA								
KE18NB4U							R-410A 0.3	
S22NKU-1		5/8"	66'	49'	49'	33'	R-410A 0.2	
S24NKUA			131'					
E24NKUA			100'				R-410A 0.3	
26PSK1U6	3/8"	5/8"	165'	100'	50'	100'	R-410A 0.43	
26PST1U6								
26PSU1U6								
26PSF1U6								
26PEK1U6								
26PET1U6								
26PEU1U6								
26PEF1U6								
KS30NKUA							R-410A 0.27	
KE30NKU								
KS36NKUA								
KE36NKU								
36PST1U6							R-410A 0.43	
36PSU1U6								
36PSF1U6								
36PET1U6								
36PEU1U6								
36PEF1U6								
42PST1U6								
42PSU1U6								
42PET1U6								
42PEU1U6								
CU-2S18NBU-1	1/4"	3/8"	82'	49'	49'	65'	R-410A 0.2	
CU-2E18NBU								
CU-3KS19NBU				50'	50'	150'		
CU-3KE19NBU							R-410A 0.22	
CU-4KS24NBU		3/8"x3, 1/2"x1						
CU-4KE24NBU								
CU-4KS31NBU		3/8"x2, 1/2"x2	100'					
CU-4KE31NBU								
CU-5KE36QBU		3/8"	82'					

Tubing Length